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**ASSOCIATED INVESTIGATION REPORT
ASSOCIATED PLATING COMPANY, INC.
9636 ANN STREET
SANTA FE SPRINGS, CALIFORNIA 90670**

APRIL 19, 2002



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FINAL
SUBSURFACE INVESTIGATION REPORT
ASSOCIATED PLATING COMPANY, INC.
FACILITY
9636 ANN STREET
SANTA FE SPRINGS, CALIFORNIA

CERTIFICATION

This Report was prepared by the staff of URS Corporation (URS), and reviewed by the Geologist whose signature and license appears hereon.

The services performed by URS have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in California. No other warranty is expressed or implied.



DEBRA B. STOTT, RG REA

Project Number: 59-00115133.01

*Final Subsurface
Investigation Report*

Associated Plating
Company, Inc.
9636 Ann Street
Santa Fe Springs, California

Issued: April 23, 2002





*Associated Plating Company, Inc. Facility
Subsurface Investigation Report
URS Project No. 59-00115133.01
April 23, 2002*

EXECUTIVE SUMMARY

URS Corporation (URS) completed 14 shallow borings (B-1 through B-9, B-11, B-12 and BG-1 through BG-3) and one deep boring (B-10) at the Associated Plating Company Facility (APC) located in Santa Fe Springs, California. The Subsurface Investigation was conducted as per the California Department of Toxic Substances Control (DTSC) approved *Further Investigation Workplan, Associated Plating Company, Inc., 9636 Ann Street, Santa Fe Springs, California* (URS, October 24, 2001), and the *Interim Measures Workplan Addendum, Associated Plating Company, Inc., 9636 Ann Street, Santa Fe Springs, California* (URS, December 7, 2001). The Investigation was completed during two field events, the first in November 2001 and the second in February 2002.

APC is a specialty plating shop for small components and specializes in the use of fused tin and tin/lead alloys using electro- and electroless plating. The Investigation intended to assess onsite soils at the Facility that may have been impacted by wastewater containing metals and/or cyanide, as well as degreasing solvents and acids. URS mobilized to the Facility on November 1, 2001 for placement of soil borings B-1 through B-9 and BG-1 through BG-3. During the first sampling event, URS was not able to complete the Investigation as originally intended in the Workplan. Borings could not be driven to their desired depths due to refusal, and three of 12 borings could not be installed due to surface concrete thickness being too great.

Based on field conditions and preliminary laboratory results, URS drafted and submitted an Addendum to DTSC proposing to relocate borings B-3 and B-5 and add boring B-10. Boring B-10 would be extended beyond the subsurface obstruction to groundwater in the vicinity of boring B-1. DTSC approved the Addendum with the provision that borings B-3 and B-5 be completed as proposed in the Workplan and two additional borings (B-11 and B-12) be added to the sampling program.

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On February 20, 2002 URS installed soil borings B-3 through B-5, B-11, and B-12. Refusal due to subsurface obstruction was encountered in all five borings at 7 feet bgs, as expected. URS attempted to "hammer through" the obstruction at boring location B-5 but was unsuccessful. Concrete fragments found in the tip of the hammer rod upon extraction indicated a subsurface concrete slab.

The Investigation field program continued on February 21, 2002 with placement of soil boring B-10. Boring B-10 was driven with the use of a hollow stem auger drilling rig to 7-feet bgs, where refusal was encountered. A concrete bit was used to drill through the subsurface concrete slab and the boring was driven into groundwater at 37-feet bgs. A "grab" groundwater sample was collected using a Teflon bailer. The following were the most significant observations made during the field portion of the investigation:

- Heavy hydrocarbon staining and odor were found in soils from all borings in the top 5 to 10 feet of soil column;
- Refusal was uniformly found at depths between 6 feet and 9 feet bgs, indicating that a concrete slab is likely present beneath the entire Facility;
- Thickness of the subsurface concrete slab is approximately 4-inches in the vicinity of boring B-10;
- Gasoline odor and staining were encountered below 20-feet bgs in boring B-10;
- Groundwater was encountered at 37-feet bgs in boring B-10; and
- Floating free product was detected in groundwater at boring B-10.

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Soil samples collected were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B and for total petroleum hydrocarbons, carbon chain C₆ through C₄₀, by EPA Method 8015M. In addition, per the Workplan, a select group of samples were analyzed for pH by EPA Method 9040/9045, Title 22 Metals by EPA Method 6010/7000, semi volatile organic compounds by EPA Method 8270C, and Cyanide by EPA Method 9014. The groundwater sample was analyzed for VOCs. The following is a summary of laboratory results:

- Cyanide was not present in subsurface soils at the locations sampled;
- Metals and pH were within acceptable levels at the locations sampled and were similar to background levels;
- Chlorinated VOCs that included tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), 1,1-dichloroethene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), vinyl chloride (VC), 1,1,2,2-tetrachloroethane (1,1,2,2-TTCA), bromodichloromethane (BDCM), and chloroform were present in shallow on-site soils;
- Vinyl chloride was the only chlorinated VOC constituent detected in the groundwater sample;
- TPH, including volatile fuel constituents benzene, ethylbenzene, xylenes and toluene (BTEX), n-butyl-benzene, sec-butyl-benzene, tert-butyl-benzene, isopropyl-benzene, n-propyl-benzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, p-isopropyl-toluene, and naphthalene were detected in soils; and
- Fuel constituents were detected in groundwater.

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Laboratory results indicate that cyanide was not present in subsurface soils at the locations sampled. Likewise, metals and pH were within acceptable levels at the locations sampled and were similar to background levels. Therefore, the conclusion can be drawn that at the locations sampled, releases of cyanide, metals, or acidic solutions have not occurred.

Laboratory results suggest that chlorinated VOCs, have impacted shallow subsurface soils at three distinct locations: (1) immediately north of the degreasing room (boring B6); (2) adjacent to the southeast corner of the onsite building (borings B1, B2, B9); and (3) to the east of the onsite building, in the loading and storage area (boring B12). The extent of VOC impacts appears localized and in most locations does not extend beyond 5 bgs. The distribution of chlorinated VOCs appears to be consistent with degradation of PCE under anaerobic conditions, which typically de-chlorinates PCE to TCE, and TCE to DCE. As of December 31, 2001 APC no longer stores PCE on-site, nor is it used in manufacturing operations.

Hydrocarbon impacts, including volatile fuel constituents, are not likely related to onsite operations. Associated Plating Company has no history of handling, storage, or use of these compounds. In addition, the APC property and surrounding vicinity is known to have been part of former oil-field-related operations and a Tosco (former Unocal) facility is located to the immediate south of APC.

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1.0 INTRODUCTION

URS Corporation (URS) has prepared this Subsurface Investigation Report on behalf of Associated Plating Company, Inc. for the Associated Plating Company Facility (APC) located in Santa Fe Springs, California. This Subsurface Investigation event (Investigation) was conducted as per the California Department of Toxic Substances Control (DTSC) approved *Further Investigation Workplan, Associated Plating Company, Inc., 9636 Ann Street, Santa Fe Springs, California* (Workplan) [URS, October 24, 2001] and the *Interim Measures Workplan Addendum, Associated Plating Company, Inc., 9636 Ann Street, Santa Fe Springs, California* (Addendum) [URS, December 7, 2001]. During field activities conducted November 2001 and February 2002, URS completed 15 shallow borings (B-1 through B-9, B-11, B-12 and BG-1 through BG-3) and one deep boring to groundwater (B-10).

2.0 SITE DESCRIPTION

The APC Facility (Facility) is located at 9636 Ann Street in Santa Fe Springs, California (Figure 1). The Facility is 1.25-acres in size and is currently occupied by an approximately 17,000 square-foot concrete tilt-up building on the southwest portion of the Facility. Parking spaces are provided to the immediate north of the building and on the northeast portion of the property. At the time of the investigations, the southeast portion of the Facility (0.30-acres) was unimproved vacant land (Figure 2).

The nearest cross streets to the Facility are Sorensen Avenue to the north and Santa Fe Springs Road to the east. Land contiguous to the site is used for industrial purposes in all directions. Of particular interest is a Tosco (former Unocal) facility to the immediate south of APC (9645 South Santa Fe Springs Road). No residential areas are in the immediate vicinity of APC.

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The Facility is a specialty plating shop for small components and specializes in the use of fused tin and tin/lead alloys using electro- and electroless plating. Nickel and copper are the most commonly used metals. Precious metal plating is also performed using silver, gold, tin, zinc, and aluminum. Several plating lines with associated tanks are located within the Facility.

3.0 SITE HISTORY

According to a Phase I Environmental Site Assessment report prepared for the Facility by Dames & Moore (September 28, 1999), the original building permit for the site was issued in 1971 to Grubb Construction for a 17,000 square-foot concrete building. Remodeling permits were issued to Dyn Electronics in 1971 and 1972 and the Facility was used for office and warehouse space. The Golnick family (former operators of APC) purchased the property in 1977 and began plating operations in 1978. Prior to 1971, the land was undeveloped with the exception of a large oil-field-related aboveground storage tank (AST). The AST appears to have been situated over the entire Facility and vicinity in the 1930's.

4.0 GEOLOGIC & HYDROLOGIC SETTING

The Facility is located on the eastern or Downey Plain portion of the Los Angeles Coastal Plain, which slopes gently to the south and has low relief. The present topography is a result of coalescing alluvial fans of the Rio Hondo, San Gabriel, and Los Angeles rivers. The Downey Plain is bordered by the Montebello Plain to the north and east, and the Newport-Inglewood uplift to the southwest (California Department of Water Resources (CDWR), 1961).

Topographic map coverage of the site is provided by the U.S. Geological Survey (USGS), Whittier, California 7.5 minute quadrangle map dated 1965 and photorevised in 1981.

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The elevation of the property is approximately 150 feet above mean sea level (msl) with a local topographic gradient of less than 20 feet per mile to the southeast.

Regional and surface water drainage appears to flow west to the San Gabriel River. The nearest surface water or drainage course is La Canada Verde Creek (Coyote Creek) located approximately ½ mile to the east. This drainage course is a concrete-lined channel used for flood control in the winter months, and has little effect on local groundwater conditions. No large water bodies are located near the property.

First encountered groundwater beneath the Facility is found between 35 and 40 feet below ground surface (bgs) [Refer to Section 6.5]. No groundwater well information was available for the Facility or sites in the near vicinity. Therefore, groundwater flow direction is assumed to be in the general direction of slope, to the southeast.

5.0 INVESTIGATION OBJECTIVES

Per the approved Workplan, this Investigation intended to assess onsite soils at the Facility that may have been impacted by wastewater containing metals and/or cyanide, as well as degreasing solvents and acids. Field conditions dictated that the Investigation be completed in two separate events, the first on November 1, 2001 and the second on February 20 and 21, 2002. The following table summarizes soil borings placement, intended sample depths, and the number of soil samples originally proposed from each boring.

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Target Area	Boring Identification	Sample Depths (feet bgs)	Number of samples to be collected
Wastewater Treatment	B-1	0.5-1, 4.5-5, 9.5-10	3
	B-2	0.5-1, 4.5-5, 9.5-10	3
	B-3	0.5-1, 4.5-5, 9.5-10	3
	B-4	0.5-1, 4.5-5, 9.5-10	3
	B-5	0.5-1, 4.5-5, 9.5-10	3
Degreaser & Floor Trenches	B-6	0.5-1, 4.5-5, 9.5-10	3
	B-7	0.5-1, 4.5-5	2
	B-8	0.5-1, 4.5-5	2
Chemical Storage	B-9	0.5-1, 4.5-5	2
Soils Below Subsurface Concrete Obstruction	B-10	0.5, 5, 10, 15, 20, 25, 30	7
Loading/Storage	B-11	0.5-1, 4.5-5, 9.5-10	3
	B-12	0.5-1, 4.5-5, 9.5-10	3
Background	BG-1	0.5-1, 4.5-5, 9.5-10	3
	BG-2	0.5-1, 4.5-5, 9.5-10	3
	BG-3	0.5-1, 4.5-5, 9.5-10	3

Soil borings B-1 through B-5 intended to assess soils in the vicinity of the wastewater treatment units on the southern portion of the Facility. Borings B-6 through B-8 intended to assess soils in the vicinity of the degreasing room and floor trenches inside the central-southern portion of the Facility. Boring B-9 intended to address soils in the vicinity of the chemical storage area just outside the southeast corner of the onsite building. Boring B-10 intended to address soils beneath a concrete obstruction encountered in all but one of the borings (Section 6.4). Borings B-11 and B-12 intended to address soils to the east of the onsite building in the storage and loading area. Borings BG-1 through BG-3 were background borings.

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6.0 FIELD METHODOLOGY

This section presents general field procedures and observations recorded during placement of 15 onsite soil borings on November 1, 2001, February 20, and February 21, 2002. Background information, as well as sampling strategy, investigative methods and procedures, sample analysis program, sample handling, decontamination procedures, and management of investigative wastes, are detailed in the approved Workplan and Addendum provided in Appendix A.

6.1 Geophysical Clearance of Boring Locations

Prior to fieldwork initiation, proposed boring locations were clearly marked in white paint and checked for subsurface obstructions. During the first sampling event, proposed boring locations were cleared on October 10, 2001 by Spectrum Geophysics. During the second sampling event, proposed boring locations were cleared on February 15, 2002 by Goldak, Inc. No major modifications to sampling locations were made.

6.2 Health and Safety Plan

URS prepared a site-specific Health and Safety Plan (HSP) identifying personal protective equipment (PPE), safety procedures, decontamination procedures, lead personnel with their contact telephone numbers, and a hospital route map. Prior to commencing drilling activities (November 1, 2001 and February 20, 2002), field personnel were briefed on safety procedures and allowed to review the HSP. Questions pertaining to the HSP were answered by the Project Manager and personnel were required to sign a document stating that they clearly understood project hazards and emergency procedures.

6.3 Field Data

During drilling and sampling operations, a RAE Systems Inc. photoionization detector (PID) [MiniRAE] was used to monitor the presence and level of volatile organic vapors

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in the borings and to screen soil samples for health and safety purposes. The data was recorded in the boring logs and was used as an immediate indicator of volatile organic vapors in subsurface materials.

Boring logs were prepared during soil sampling to provide a lithologic description of soils encountered during the Investigation. Boring logs were prepared in accordance with the Unified Soils Classification System (USCS), and provided descriptions of visible evidence of soil contamination (i.e., odor, staining) and PID readings. Soil borings are presented in Appendix B.

The PID was calibrated prior to beginning each day of fieldwork to display concentration in units equivalent to parts per million (ppm). The PID used at the Facility was equipped with a 10.6 eV lamp.

6.4 Initial Field Investigation – November 2001

URS mobilized to the Facility on November 1, 2001 for placement of soil borings B-1 through B-9 and BG-1 through BG-3. Vironex, Inc. of Santa Ana, California provided drilling services with the use of a limited access hydraulic push-probe drilling rig (Geoprobe Badger 66DT). Soil borings were advanced to depths ranging from 5 to 10 feet bgs. A soil sampler, fitted with 1¾ -inch diameter, 2-foot long acetate sample sleeves, was used to retrieve undisturbed soil samples from desired depths. Following retrieval of soil, a portion of the sleeve containing the desired sample depth was cut, the exposed soil at each end covered with Teflon™ sheeting and fitted with plastic end caps. In addition, soil samples were also sub-cored using EnCore™ samplers in accordance with EPA Method 5035 for analysis of volatile organic compounds (VOCs).

Mr. Edward T. Cieslak and Mr. Nebu John, both DTSC representatives, were onsite during portions of the November 1, 2001 field activities to view soil conditions and field procedures.

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6.4.1 Placement of Borings

The Investigation began with placement of boring BG-3 at the southeast portion of the Facility. This was followed by borings BG-2, B-9, B-1, B-3, B-4, B-2, BG-1, B-8, B-7, and B-6. Only borings BG-3, B-7, B-8, and B-9 were driven to the intended total depths. The rest of the borings encountered refusal on a subsurface obstruction at 6 to 8 feet below ground surface (bgs).

6.4.2 Lithology

Fine-grained, uniform sandy silts to clayey silts that were plastic, moist, and stained with heavy hydrocarbons were encountered in all borings. Soils encountered in borings BG-2 and BG-3 on the eastern portion of the Facility had angular clastics to ¼-inch from the ground surface to approximately 5 feet bgs. Boring logs are included as Appendix B.

6.4.3 Initial Field Observations

The following were the most significant observations made during fieldwork on November 1, 2001:

- Heavy hydrocarbon staining and odor were found in soils from all borings in the top 5 to 10 feet of the soil column;
- Refusal was uniformly found at depths between 6 feet and 9 feet bgs, indicating that the concrete footing for the former AST discussed in Section 3.0 is likely still present beneath the entire Facility; and
- Surface concrete thickness in excess of 12-inches did not allow for the placement of borings B3 through B5 in the southern portion of the Facility.

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6.4.4 Initial Conclusions & Addendum

During the first sampling event, URS was not able to complete the Investigation as originally intended in the Workplan. Borings could not be driven to their desired depths due to refusal, and three of 12 borings could not be installed due to surface concrete thickness being too great. In addition, based on initial laboratory data (discussed in Section 7.0), URS proposed the addition of two soil borings to the immediate east of the onsite building, as well as the evaluation of soil and groundwater conditions beneath the onsite obstruction (generally 6 to 7 feet bgs near the building).

Based on these conclusions, URS drafted and submitted an Addendum to DTSC on December 7, 2001 for their review and approval. The Addendum proposed to relocate borings B-3 and B-5 and add boring B-10. Boring B-10 would be extended beyond the subsurface obstruction to groundwater in the vicinity of boring B-1.

DTSC approved the Addendum in a letter dated February 8, 2002 with the provision that borings B-3 and B-5 be completed as proposed in the Workplan. In addition, DTSC requested that two additional borings (B-11 and B-12) be added to the sampling program. (Appendix A).

6.5 Additional Field Investigation – February 2002

URS mobilized to the Facility on February 20, 2002 for placement of soil borings B-3 through B-5, B-11, and B-12, in accordance with the approved Addendum. Interphase Environmental, Inc. of Los Angeles, California provided drilling services with the use of a limited access hydraulic push-probe drilling rig. All five soil borings were advanced to 7 feet bgs, whereupon refusal due to subsurface obstruction was encountered in all borings. URS attempted to "hammer through" the obstruction at boring location B-5 but was unsuccessful. Concrete fragments were found in the tip of the hammer rod upon

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extraction, indicating a concrete slab, as suspected (Section 3.0). Field procedures for soil sample retrieval and sampling were consistent with the Workplan.

The Investigation field program concluded on February 21, 2002 with placement of soil boring B-10. Excel Drilling, Inc. of Huntington Beach, California provided drilling services with the use of a CME-75 hollow-stem-auger (HSA) truck mounted drilling rig equipped with 6-inch augers. Boring B-10 was driven to 7-feet bgs, where refusal was encountered as expected. A concrete bit was used to drill through the subsurface concrete slab and the boring was driven into groundwater at 37-feet bgs.

During advancement of boring B-10, undisturbed soil samples were collected in clean, 6-inch brass tubes using a California modified split-spoon sampler. Soil samples were also sub-cored using EnCore™ samplers as described in Section 6.4. A "grab" groundwater sample was collected using a new Teflon bailer. Groundwater was poured into three (3) laboratory supplied 40-milliliter (ml) VOAs for analysis.

6.5.1 Placement of Borings

Prior to the placement of borings B-3 through B-5, URS contracted with Rice's Concrete Cutting Services, Inc. of Long Beach, California, to core through the surface concrete. Concrete thickness encountered at the location of borings B-3 through B-5 ranged from 14 to 18-inches in thickness.

During fieldwork of February 20, URS began by installing boring B-5, and continued with borings B-4, B-3, B-11 and B-12, in that order. As expected, refusal was encountered at 7-feet bgs in all borings, short of their intended final depth.

The Investigation continued on February 21 with the placement of boring B-10 using an HSA drilling rig. As described above, the boring was driven to the subsurface concrete slab (7 feet bgs) and allowed to stand for 30 minutes to gauge for perched water. The

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hammer was then cleaned and lowered into the boring to see if appreciable amounts of water had gathered at the bottom. None was detected.

The augers were then extracted from the hole and the auger bit replaced with a concrete bit to penetrate through the subsurface slab. The slab proved to be approximately 4-inches thick. Once the slab was penetrated, the concrete bit was again replaced with the drilling bit and the boring was continued. Gasoline odor and staining were encountered at 20-feet bgs. Saturated conditions were detected at 37-feet bgs and the boring was extended to 40-feet bgs. A new Teflon bailer was dropped through the center of the augers in order to retrieve a groundwater sample. Based on field observations, free floating product was present at the groundwater surface. URS could not ascertain the thickness.

6.5.2 Observations

The following were the most significant observations made during fieldwork on February 20 and 21, 2001:

- Thickness of the surface concrete slab along the southern property boundary ranges from 14 to 18 inches;
- Thickness of the subsurface concrete slab is approximately 4-inches in the vicinity of boring B-10;
- Gasoline odor and staining were encountered below 20-feet bgs in boring B-10;
- Groundwater was encountered at 37-feet bgs in boring B-10; and
- Floating free product was detected in groundwater at boring B-10.

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6.6 Chain-of-Custody Procedures

After collection, samples were placed in a cooler with ice to await transportation to a state certified laboratory. Samples were transported under strict chain-of-custody documentation as described below. For purposes of this Investigation, custody was defined as follows:

- In plain view of URS field representatives;
- Inside a cooler which was in plain view of URS field representatives; or
- Inside any locked space such as a cooler, locker, car, truck, or storage room to which field representatives had the only immediately available key(s).

Chain-of-custody records were maintained for samples recovered and were signed by the sampler and others who took custody of the samples.

A designated sample custodian from the laboratory accepted custody of shipped samples and verified that the chain of custody forms matched the samples received. Each batch of samples was given a laboratory number and each sample was assigned a unique sequential identification number. The custodian was responsible for seeing that samples were transferred to the proper analyst or stored in an appropriate secured area.

6.7 Equipment Decontamination Procedures

Re-usable drilling and sampling equipment was cleaned prior to use to reduce the potential for cross contamination. Drill sections and other down-hole implements used during drilling were cleaned prior to use at each boring location.

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Between each sample collection, the sampler was disassembled, cleaned, and decontaminated. Cleaning and decontamination procedures consisted of washing the sampling equipment with a solution of water and a detergent, followed by two water rinses and air-drying.

7.0 LABORATORY ANALYSIS AND RESULTS

Soil and groundwater samples collected during the course of this investigation were submitted to a California-certified analytical laboratory. As per the Workplan and subsequent Addendum, soil samples collected were analyzed for VOCs by EPA Method 8260B and for total petroleum hydrocarbons (TPH), carbon chain C₆ through C₄₀, by EPA Method 8015M. In addition, a select group of samples were analyzed for pH by EPA Method 9040/9045, Title 22 Metals by EPA Method 6010/7000, semi volatile organic compounds (SVOCs) by EPA Method 8270C, and Cyanide by EPA Method 9014. Rationale is provided in the Workplan in Appendix A. Table 1 provides a list of all samples collected and the analyses requested for each.

The groundwater sample collected from boring B-10 was analyzed for VOCs. A summary of analytical results is included in Tables 2 through 6, and the complete analytical results, including laboratory QA/QC, are presented in Appendix C.

7.1 Total Chlorinated VOCs

With the exception of three soil samples collected from boring B-10 (15, 25, and 35-foot bgs samples), samples, including the groundwater sample, were analyzed for VOCs.

7.1.1 Soils

Analytical laboratory results for 27 of 40 soil samples reported the presence of detectable concentrations of various chlorinated VOCs that included tetrachloroethene (PCE),

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trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), 1,1-dichloroethene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), vinyl chloride (VC), 1,1,2,2-tetrachloroethane (1,1,2,2-TTCA), bromodichloromethane (BDCM), and chloroform). Soil sample concentrations of total chlorinated VOCs ranged from ND to 35,000 µg/kg.

7.1.2 Groundwater

The grab groundwater sample collected from boring B-10 had a reported VC concentration of 69 µg/L. This was the only chlorinated VOC constituent detected in groundwater.

7.2 TPH & Fuel Constituents

As was noted throughout Section 6.0, heavy staining and heavy hydrocarbon odor were found in shallow soils throughout the Facility. It was also noted that strong gasoline odor and floating free product were encountered in boring B-10. Due to the fact that (1) the Facility was formerly occupied by a large oil-field-related AST, (2) fuels are not presently nor have they historically been stored or handled at the APC Facility, and (3) to the immediate south of the APC property is a Tosco (former Unocal) facility, URS concludes that the hydrocarbon and fuel constituents are likely unrelated to the APC operations.

7.2.1 Soils

Analytical laboratory results for 19 of 30 soil samples reported the presence of detectable concentrations of TPH. Soil sample concentrations of TPH ranged from ND to 6,200 mg/kg.

In addition, various volatile fuel constituents, including benzene, ethylbenzene, xylenes and toluene (BTEX), n-butyl-benzene, sec-butyl-benzene, tert-butyl-benzene, isopropyl-

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benzene, n-propyl-benzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, p-isopropyl-toluene and naphthalene, were detected in soils.

7.2.1 Groundwater

The analytical laboratory results for the groundwater sample reported various volatile fuel constituents, including sec-butyl-benzene, tert-butyl-benzene, isopropylbenzene, n-propylbenzene, and naphthalene.

7.3 Tetrachloroethene (PCE)

PCE was reported in 13 soil samples at concentrations ranging from 8 µg/kg (B8-5' and B9-5') to 35,000 µg/kg (B1-0.5'). The highest concentrations of PCE were reported for soil samples collected from outside the southeast corner of the building and adjacent to the degreasing room (B1, B2, B-9, and B6). In addition, PCE was also reported at lower concentrations in samples collected from borings B7, B8, and B12. At most locations the PCE concentrations suggest a surface source and shallow impact.

7.4 Trichloroethene (TCE)

TCE was reported in 15 soil samples at concentrations ranging from 7 µg/kg (B7-3', B8-0.5' and B8-5') to 4,600 µg/kg (B6-5'). The highest concentrations of TCE were reported for soil samples collected from outside the southeast corner of the building and adjacent to the degreasing room (B1, B2, B9, and B6). In addition, TCE was also reported in samples collected from borings B7, B8, B10, B11, and B12.

7.5 Cis-1,2-DCE & Trans-1,2-DCE

Cis-1,2-DCE and trans-1,2-DCE concentrations were reported in 21 soil samples from borings B1, B2, B3, B4, B6, B8, B9, B10, B11, and B12. In boring B12, reported concentrations increased in the 5 and 7-foot bgs samples compared with the 0.5-foot

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sample. The widespread presence of DCE is consistent with degradation of PCE under anaerobic conditions, which typically de-chlorinates PCE to TCE, and TCE to DCE.

7.6 Vinyl Chloride (VC)

7.6.1 Soils

VC was reported in 9 soil samples at concentrations ranging from 7.6 µg/kg (B10-20') to 2,000 µg/kg (B2-5').

7.6.2 Groundwater

VC was reported in the groundwater sample at a concentration of 69 µg/L. This was the only chlorinated VOC reported.

7.7 Title 22 Metals

Metal concentrations reported for samples from borings B1 through B5 and B8 were within acceptable range and were comparable to concentrations from samples collected as background from borings BG1 through BG3. In addition, no sample concentrations exceeded the California Title 22 total threshold limit concentrations (TTLC).

7.8 pH

Reported pH for soil samples from borings B1 through B5 and B8 and B9 ranged from 7.4 to 8.3. These values are within acceptable range and do not suggest an acid spill.

7.9 Cyanide

Cyanide concentrations reported for soil samples from boring B1 and BG1 through BG3 were below the laboratory method reporting limit (MRL) of 0.5 mg/kg.

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7.10 SVOCs

As is typical when encountering former oilfield related waste, URS submitted four samples with high TPH concentrations (B6-0.5', B8-5', B9-5', BG2-9') for SVOC analysis. No SVOC constituents were detected above their respective laboratory MRLs.

8.0 DISCUSSION & SUMMARY

The purpose of this Investigation was to assess soils that may have been impacted by wastewater containing metals and cyanide, as well as degreasing solvents and acids. Laboratory results indicate that cyanide was not present in subsurface soils at the locations sampled. Likewise, metals and pH were within acceptable levels at the locations sampled and were similar to background levels. Therefore, the conclusion can be drawn that at the locations sampled, releases of cyanide, metals, or acidic solutions have not occurred.

Chlorinated VOCs have impacted the subsurface soils at three distinct locations: (1) immediately north of the degreasing room (B6); (2) adjacent to the southeast corner of the onsite building (B1, B2, B9); and (3) to the east of the onsite building, in the loading and storage area (B12). The extent appears localized and in most locations does not extend beyond 5 bgs in depth. As of December 31, 2001 APC no longer stores PCE on-site, nor is it used in manufacturing operations.

Laboratory results for the groundwater sample collected at the terminus of boring B10 (37 feet bgs), reported VC at a concentration of 69 µg/L.

The detected hydrocarbon odors, staining, and fuel constituents are not likely related to onsite operations. Associated Plating Company has no history of use of these compounds.

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9.0 REPORT LIMITATIONS

This report presents a summary of work completed by URS Corporation. The completed work includes observations and descriptions of site conditions. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples were chosen to provide the required information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and recommendations are based on these analyses, observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices in the environmental engineering field, which existed at the time and location of the work.

10.0 REFERENCES

Department of Toxic Substances Control, October 31, 2001, Correspondence, "*Revised Interim Measures Workplan for Associated Plating Company Facility, 9636 Ann Street, Santa Fe Springs, California*", EPA ID CAD043079110.

Department of Toxic Substances Control, February 8, 2002, Correspondence, "*Interim Measures Workplan Addendum for Associated Plating Company Facility, 9636 Ann Street, Santa Fe Springs, California*", EPA ID CAD043079110.

URS Corporation, October 24, 2001, "*Further Investigation Workplan, Associated Plating Company, Inc., 9636 Ann Street, Santa Fe Springs, California*".



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*URS Corporation, December 7, 2001, "Interim Measures Workplan Addendum,
Associated Plating Company, Inc., 9636 Ann Street, Santa Fe Springs, California".*

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TABLES

TABLES

TABLE 1
SOIL SAMPLE LABORATORY ANALYSES
ASSOCIATED PLATING
SANTA FE SPRINGS, CALIFORNIA

Boring	Sample Depth (feet bgs)	VOCs EPA 8260B	TPH EPA 8015M	Title 22 Metals	pH EPA 9045	Cyanide EPA 9010	SVOCs EPA 8270
B-1	0.5	✓	✓	✓	✓	✓	
	5	✓	✓	✓	✓	✓	
B-2	0.5	✓	✓	✓	✓		
	5	✓	✓	✓	✓		
B-3	1.5	✓	✓	✓	✓		
	5	✓	✓	✓	✓		
B-4	1	✓	✓	✓	✓		
	5	✓	✓	✓	✓		
B-5	1	✓	✓	✓	✓		
	5	✓	✓	✓	✓		
B-6	0.5	✓	✓				✓
	5	✓	✓				
B-7	3	✓	✓				
	5	✓	✓				
B-8	0.5	✓	✓	✓	✓		
	5	✓	✓	✓	✓		✓
B-9	0.5	✓	✓		✓		
	5	✓	✓		✓		✓
B-10	0.5	✓					
	5	✓					
	10	✓	✓				
	15						
	20	✓	✓				
	25						
	30	✓	✓				
	35						
B-11	0.5	✓					
	5	✓					
	7	✓					

TABLE 1
SOIL SAMPLE LABORATORY ANALYSES
ASSOCIATED PLATING
SANTA FE SPRINGS, CALIFORNIA

Boring	Sample Depth (feet bgs)	VOCs EPA 8260B	TPH EPA 8015M	Title 22 Metals	pH EPA 9045	Cyanide EPA 9010	SVOCs EPA 8270
B-12	0.5	✓					
	5	✓					
	7	✓					
BG-1	0.5	✓	✓	✓	✓	✓	
	5	✓	✓	✓	✓	✓	
BG-2	0.5	✓	✓	✓	✓	✓	
	5	✓	✓	✓	✓	✓	
	9	✓	✓	✓	✓	✓	✓
BG-3	0.5	✓	✓	✓	✓	✓	
	5	✓	✓	✓	✓	✓	
	10	✓	✓	✓	✓	✓	

Table 2
EPA 8260B - CVOCs
Soil Analytical Results
Associated Plating
Santa Fe Springs, CA

Boring	Sample Depth ¹	PCE	TCE	1,1,2,2-TTCA	cis-1,2-DCE	trans-1,2-DCE	1,1-DCE	1,1-DCA	VC	BDCM	Chloroform
B1	0.5	35000	1500	ND	980	220	ND	ND	18	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B2	0.5	4100	2800	ND	820	240	16	ND	110	ND	ND
	5	85	12	ND	210	320	ND	30	2000	ND	ND
B3	1.5	ND	ND	17	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	5.3	ND	ND	ND	ND	ND	ND
B4	1	ND	ND	ND	310	47	ND	ND	ND	ND	ND
	5	ND	ND	ND	100	13	ND	ND	ND	ND	ND
B5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B55 ²	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6	0.5	10	20	ND	4200	1100	50	120	20	ND	ND
	5	2600	4600	ND	4100	880	90	160	20	ND	ND
B7	3	16	7	ND	ND	ND	ND	ND	ND	ND	ND
	5	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8	0.5	56	7	ND	ND	ND	ND	ND	ND	ND	ND
	5	8	7	ND	6	ND	ND	ND	ND	ND	ND
B9	0.5	1100	2200	ND	880	400	ND	ND	ND	ND	ND
	5	8	ND	ND	450	110	ND	ND	ND	ND	ND
B10	0.5	ND	96	ND	250	22	ND	ND	ND	ND	ND
B210 ³	0.5	ND	150	ND	350	28	ND	ND	ND	6.1	6.0
	5	ND	55	ND	280	39	ND	18	300	ND	ND
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	20	ND	ND	ND	6.1	ND	ND	ND	7.6	ND	ND
	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11	0.5	ND	9.1	ND	72	5.2	ND	ND	54	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	67	ND	ND
	7	ND	ND	ND	47	ND	ND	ND	ND	ND	ND
B12	0.5	430	72	ND	22	ND	ND	ND	ND	ND	ND
B212 ⁴	0.5	440	63	ND	20	ND	ND	ND	ND	ND	ND
	5	ND	ND	11	420	150	ND	ND	ND	ND	ND
	7	ND	ND	ND	300	150	ND	ND	ND	ND	ND
BG1	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG2	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

¹ all sample depths in feet below ground surface, ² denotes duplicate of 1-foot sample collected from B5, ³ denotes duplicate of 0.5-foot sample collected from B10,

⁴ denotes duplicate of 0.5-foot sample collected from B12

PCE=Tetrachloroethene, TCE=Trichloroethene, TTCA=Tetrachloroethane, DCE=Dichloroethene, DCA=Dichloroethane, VC=Vinyl Chloride,

BDCM=Bromodichloromethane

All sample results in micrograms/kilogram (ug/kg), ND denotes analyte not detected about the laboratory reporting limit

Table 3
EPA 8015M
Soil Analytical Results
Associated Plating
Santa Fe Springs, CA

Boring	Depth ¹	C6-C10	C10-C28	C28-C40
B1	0.5	ND	ND	ND
	5	97	570	620
B2	0.5	ND	ND	ND
	5	140	640	580
B3	1.5	230	910	860
	5	ND	ND	ND
B4	1	ND	ND	ND
	5	61	140	180
B5	1	1200	4100	2600
B55 ²	1	1700	6200	4200
	5	100	330	550
B6	0.5	520	2100	2000
	5	ND	14	ND
B7	3	ND	ND	ND
	5	23	25	ND
B8	0.5	80	530	550
	5	500	2400	2000
B9	0.5	ND	ND	ND
	5	850	3800	3000
B10	10	ND	ND	ND
	20	410	430	ND
	30	770	1500	ND
BG1	0.5	ND	ND	ND
	5	ND	ND	ND
BG2	0.5	ND	ND	ND
	5	ND	ND	ND
	9	303	1900	1600
	0.5	ND	ND	52
BG3	5	ND	ND	38
	10	89	590	480

¹ all sample depths in feet below ground surface

² denotes duplicate of 1-foot sample collected from B5

ND denotes analyte not detected about the laboratory reporting limit

All results in milligrams/kilogram (mg/kg)

Table 4
EPA 8260B - BTEX +
Soil Analytical Results
Associated Plating
Santa Fe Springs, CA

Boring	Sample Depth ¹	Benzene	n-Butyl -benzene	sec-Butyl -benzene	tert-Butyl -benzene	Ethyl -benzene	Isopropyl -benzene	p-Isopropyl -toluene	Naph- thalene	n-Propyl -benzene	Toluene	1,3,5- TMB	1,2,4- TMB	o- Xylene	m&p- Xylene
B1	0.5	ND	9	34	6	ND	17	ND	9	14	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	5	ND	ND	30	6	ND	ND	ND	ND	ND
B2	0.5	ND	ND	29	ND	ND	14	ND	ND	16	45	ND	ND	ND	ND
	5	ND	ND	40	ND	290	96	ND	400	150	ND	ND	ND	ND	ND
B3	1.5	ND	9	59	6.6	ND	73	ND	270	130	ND	ND	ND	ND	ND
	5	ND	ND	8.5	ND	ND	21	ND	68	26	ND	ND	ND	ND	ND
B4	1	ND	ND	25	ND	120	48	ND	310	73	ND	ND	ND	ND	ND
	5	ND	ND	17	ND	36	18	ND	150	20	ND	ND	ND	ND	ND
B5	1	ND	13	25	ND	15	12	13	94	14	ND	34	21	ND	ND
B55 ²	1	ND	9.8	21	ND	12	11	8.7	70	10	ND	24	7.9	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	ND	ND
B6	0.5	5	43	ND	ND	ND	130	140	58	39	ND	ND	ND	ND	ND
	5	ND	ND	24	ND	120	31	ND	78	40	23	10	22	7	15
B7	3	ND	ND	ND	ND	ND	ND	ND	71	ND	ND	ND	ND	ND	ND
	5	ND	ND	23	ND	7	17	ND	25	13	ND	ND	ND	ND	ND
B8	0.5	ND	ND	18	ND	ND	10	ND	10	5	ND	ND	ND	ND	ND
	5	ND	40	100	ND	460	170	ND	1200	300	ND	ND	ND	ND	ND
B9	0.5	ND	24	31	ND	ND	20	20	ND	31	ND	32	100	ND	ND
	5	ND	ND	31	ND	79	74	ND	360	120	ND	ND	ND	ND	ND
B10	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B210 ³	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	14	ND	78	31	ND	92	45	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
	20	ND	20	26	ND	21	41	36	300	51	ND	95	410	10	230
	30	ND	25	100	ND	ND	210	ND	780	270	ND	ND	ND	ND	ND
B11	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7	12	ND	25	ND	79	75	ND	410	110	ND	ND	ND	ND	ND
B12	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B212 ⁴	0.5	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
	5	ND	6.9	12	ND	7.7	12	ND	140	12	ND	ND	ND	ND	ND
	7	ND	35	57	8.6	24	51	16	400	57	ND	ND	ND	ND	ND
	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9	ND	ND	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10	ND	ND	29	ND	ND	11	ND	77	14	ND	ND	ND	ND	ND

¹ all sample depths in feet below ground surface, ² denotes duplicate of 1-foot sample collected from B5, ³ denotes duplicate of 0.5-foot sample collected from B10,

⁴ denotes duplicate of 0.5-foot sample collected from B12

TMB=Trimethylbenzene

All sample results in micrograms/kilogram (ug/kg), ND denotes analyte not detected about the laboratory reporting limit

Table 5
Soil Analytical Results
Associated Plating
Santa Fe Springs, CA

COMPOUNDS	TITLE 22 METALS - EPA METHOD 6000/7000 (mg/Kg)																			
	B1-0.5'	B1-5'	B2-0.5'	B2-5'	B3-1.5'	B3-5'	B4-1'	B4-5'	B5-1'	B5-5'	B8-0.5'	B8-5'	BG1-0.5'	BG1-5'	BG2-0.5'	BG2-5'	BG2-9'	BG3-0.5'	BG3-5'	BG3-10'
Antimony	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Barium	110	120	160	190	170	110	130	150	170	120	220	110	74	140	77	42	120	92	75	190
Beryllium	<1	<1	<1	<1	1.8	1.1	1.3	1.6	1.7	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium	<1	<1	<1	<1	5	3.1	3.7	4.1	4.6	3.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium	13	17	15	28	71	44	49	54	66	48	22	15	9	20	9	8	19	15	11	30
Cobalt	11	13	14	17	15	10	12	12	14	11	17	11	8	16	8	5	12	11	10	15
Copper	24	25	39	42	31	23	23	30	31	23	130	20	12	27	15	10	24	20	14	40
Lead	12	13	12	14	25	15	18	20	23	16	15	9	11	16	12	9	12	12	13	19
Mercury	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<.01	<0.1
Molybdenum	2	2	1	2	<1	<1	<1	<1	<1	<1	2	1	1	2	1	1	2	2	2	2
Nickel	14	12	29	20	29	20	22	25	28	22	20	12	8	16	9	7	13	13	11	19
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Silver	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Thallium	<2	<2	<2	<2	27	13	19	20	25	15	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vanadium	21	33	28	47	61	36	42	48	61	42	38	23	13	43	13	9	32	20	12	47
Zinc	14	16	33	36	50	73	32	43	47	30	26	15	8	18	30	6	17	23	10	31

Note :
1. mg/Kg = milligrams per klogram

Table 6
Soil Analytical Results
Associated Plating
Santa Fe Springs, CA

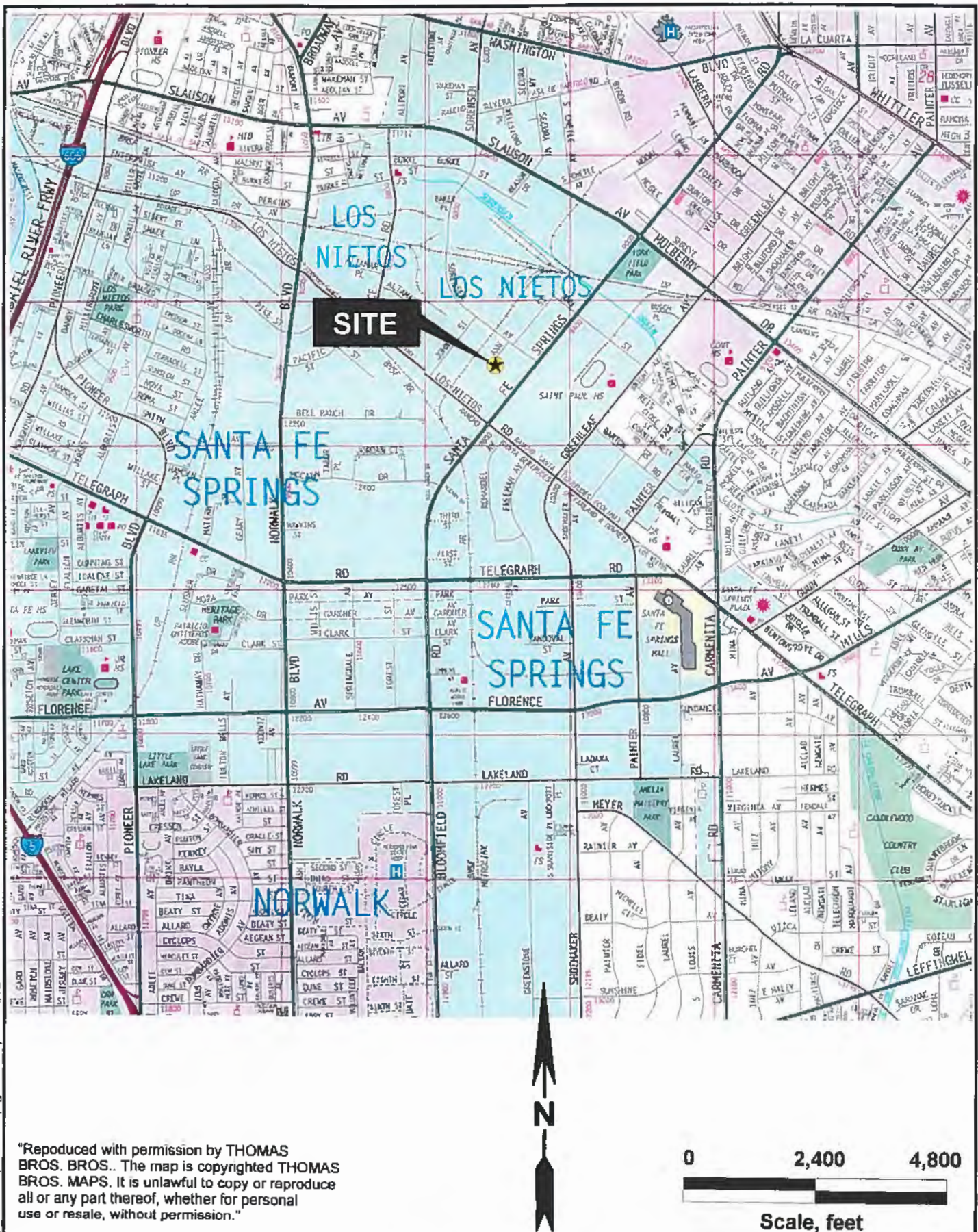
SAMPLE WITH DEPTH (BGS)	pH by EPA Method 9045 SVOCs by EPA Method 8270 Cyanide by EPA Method 9014		
	pH	SVOCs	Cyanide
B1-0.5'	8.0	NA	<0.5
B1-5'	7.9	NA	<0.5
B2-0.5'	8.3	NA	NA
B2-5'	8.0	NA	NA
B3-1.5'	7.9	NA	NA
B3-5'	7.6	NA	NA
B4-1'	7.9	NA	NA
B4-5'	7.5	NA	NA
B5-1'	8.7	NA	NA
B5-5'	8.1	NA	NA
B6-0.5'	NA	ND	NA
B8-0.5'	8.2	NA	NA
B8-5'	7.6	ND	NA
B9-0.5'	8.1	NA	NA
B9-5'	7.9	ND	NA
BG1-0.5'	7.8	NA	NA
BG1-5'	7.8	NA	NA
BG2-0.5'	8.0	NA	NA
BG2-5'	7.9	NA	NA
BG2-9'	8.1	ND	NA
BG3-0.5'	7.6	NA	<0.5
BG3-5'	8.0	NA	<0.5
BG3-10'	7.9	NA	<0.5

Notes :

1. mg/Kg = milligrams per kilogram
2. NA = not analyzed
3. ND = constituents not detected above laboratory MRL

FIGURES

FIGURES



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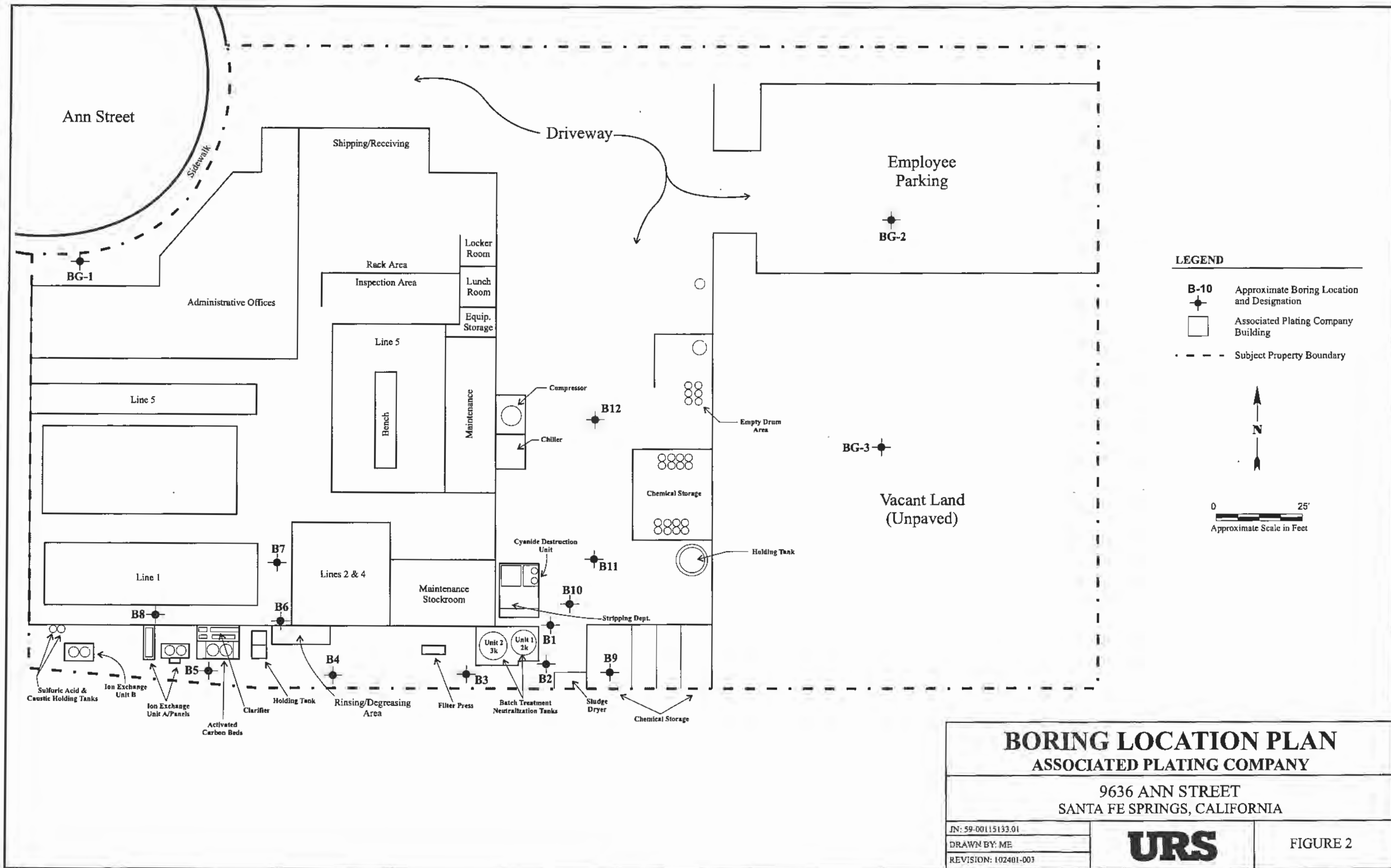
SITE VICINITY MAP

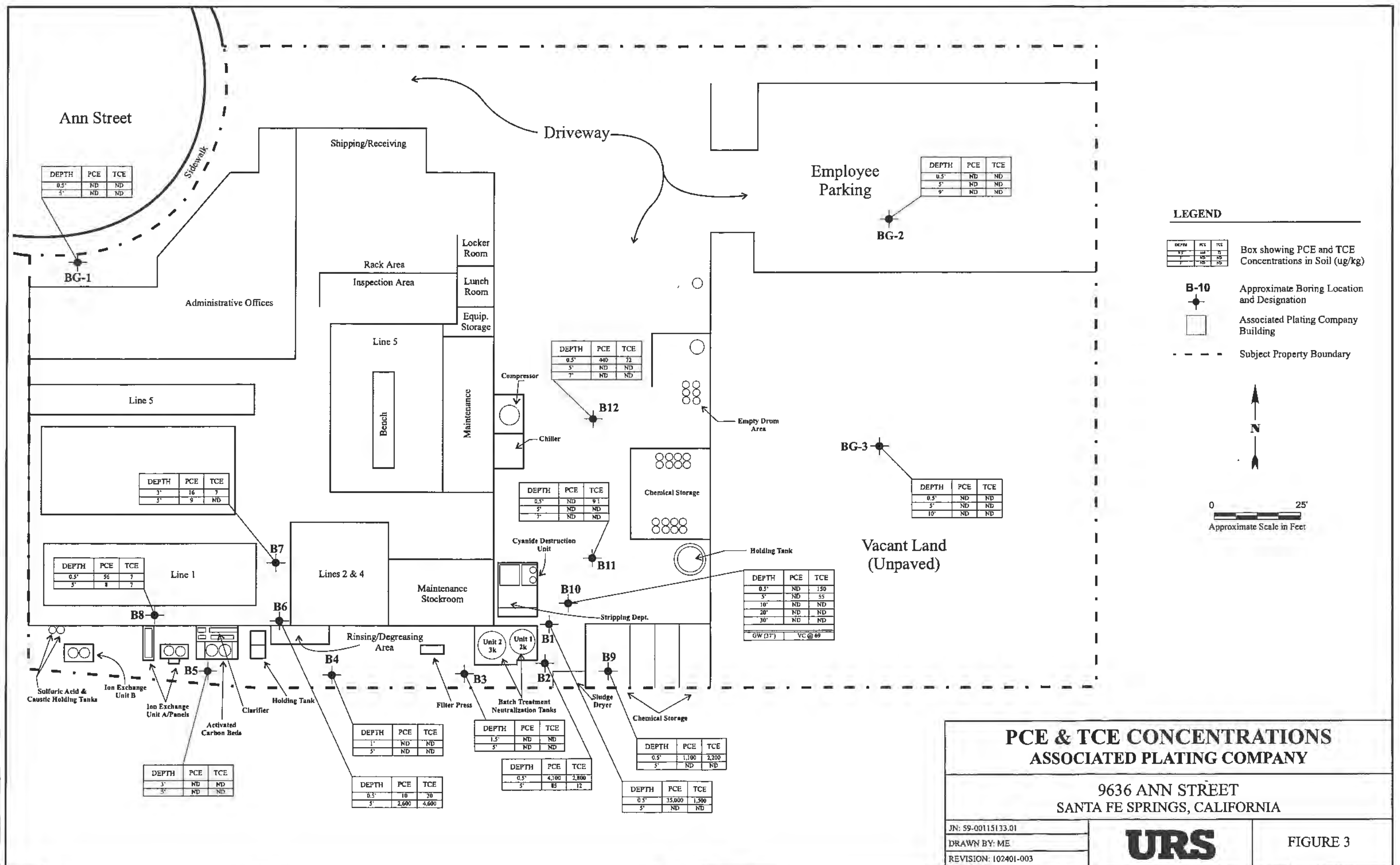
Project No.: 59-00115133.01

Date: APRIL 2002

Project: ASSOCIATED PLATING COMPANY
SANTA FE SPRINGS, CA

Figure: 1





APPENDIX A

APPENDIX A
WORKPLAN, ADDENDUM & DTSC CORRESPONDENCE

**FURTHER INVESTIGATION WORKPLAN
ASSOCIATED PLATING COMPANY, INC.
9636 ANN STREET
SANTA FE SPRINGS, CALIFORNIA 90670**

October 24, 2001

URS

**911 Wilshire Boulevard
Suite 800
Los Angeles, California 90017
(213) 996-2200**

October 24, 2001

Ms. Yvonne Sanchez
Unit Chief – State Regulatory Programs Division
Southern California Branch
Department of Toxic Substances Control
California EPA
5796 Corporate Avenue
Cypress, California 90630

Re: Further Investigation Workplan
Associated Plating Company, Inc.
9636 Ann Street
Santa Fe Springs, California 90670
EPA ID #CAD043079110
URS Project No. 22-00000149.00

Dear Ms. Sanchez:

On behalf of Associated Plating Company, Inc. (APCI), URS Corporation (URS) is pleased to submit this "Further Investigation Workplan" (Workplan) to the Department of Toxic Substances Control (DTSC). The DTSC requested preparation of such a workplan in its January 3, 2001 letter regarding its compliance evaluation inspection of November 3, 2000 and November 6, 2000. This Workplan, prepared by URS, presents our recommended scope of work and technical approach to conduct a limited subsurface investigation for the locations identified by DTSC at the facility located at 9636 Ann Street, Santa Fe Springs, California. The target locations are beneath the flocculation, pump, and boiler areas of the wastewater treatment area. This workplan is being submitted to DTSC by URS for review and approval. Based on URS meeting with Mr. Nebu John of DTSC at Associated Plating on March 2, 2001 and our meeting on April 18, 2001, boring locations were identified with DTSC personnel and the scope determined.

1.0 BACKGROUND

1.1 Background Research Findings

The Facility is located at 9636 Ann Street, Santa Fe Springs, Los Angeles County, California. The Facility consists of an approximately 18,000 square foot (sq. ft.)

building, situated on approximately 1.35 acres, located on the south curve of the Ann Street cul-de-sac, within the City of Santa Fe Springs (Figure 1).

Associated Plating Company, Inc. (Associated Plating) is a specialty plating shop for small components. Associated Plating specializes in the use of fused tin and tin/lead alloys. Electro- and electroless plating is performed. Nickel and copper are the most commonly used metals. Precious metal plating is also performed using silver, gold, tin, zinc, and aluminum. Several plating lines with associated tanks are located within the facility. According to Mr. Darrell Golnick, the former owner and operator of Associated Plating, the floor trenches have only been used for the transport of rinse water, not plating fluids or degreasing fluids. Mr. Golnick has been at the facility for 22 years.

According to City of Santa Fe Springs building and safety records and interviews with Mr. Darrell Golnick and Mr. Clare Golnick, the former operators of Associated Plating, the original building permit was issued in 1971 to Grubb Construction for a 17,000 square foot concrete building. Permits were issued to Dyn Electronics in 1971 and 1972 for remodeling. Dyn Electronics used the facility for office and warehouse space. After 1972, all permits were issued to a predecessor entity for minor remodeling. The Golnick family purchased the property in 1977 and was subsequently leased to Associated Plating. Plating operations began in 1978. The most recent permit in the file is from 1985 for installation of fire sprinklers. The land was previously undeveloped with the exception of a large above-ground storage tank. This AST was situated over the site and vicinity in the 1930's.

The site is located on the eastern or Downey Plain portion of the Los Angeles Coastal Plain, which slopes gently to the south and has low relief. The present topography is a result of coalescing alluvial fans of the Rio Hondo, San Gabriel, and Los Angeles rivers. The Downey Plain is bordered by the Montebello Plain to the north and east and the Newport-Inglewood uplift to the southwest (California Department of Water Resources (CDWR), 1961).

Topographic map coverage of the site is provided by the U.S. Geological Survey (USGS), Whittier, California 7.5 minute quadrangle map dated 1965 and photorevised in 1981. The elevation of the property is approximately 150 feet above mean sea level (msl) with a local topographic gradient of less than 20 feet per mile to the southeast.

Regional and surface water drainage appear to flow west to the San Gabriel River. The nearest surface water or drainage course is La Canada Verde Creek (Coyote Creek)

located approximately ½ mile to the east. This drainage course is a concrete-lined channel now used for flood control in the winter months, and has little effect on local groundwater conditions. No large water bodies lie near the property. No designated wetlands are on or adjacent to the subject property.

2.0 SAMPLING STRATEGY AND APPROACH

The field sampling investigation will consist of five soil borings drilled in the area of the soils beneath flocculation, pump, and boiler areas of the waste water treatment area to evaluate onsite soil for pH and the presence of metals and cyanide. Six additional borings are proposed to be located in the vapor degreaser area, two floor trench locations, the waste storage area (pH only), and background locations (Figure 2). The following sections describe the sampling strategy, investigative methods and procedures, sample analysis program, sample handling, decontamination procedures, and management of investigative wastes.

2.1 Rationale for Sampling Strategy

The sampling strategy is based on the requirements of the Notice of Compliance (NOC), the use of the property as a plating facility, and the potential for subsurface soils to have been impacted by wastewater containing metals and cyanide. Sample locations will be determined in the field with DTSC concurrence.

2.1.1 Investigation of Wastewater Treatment Area

Based on the limited size of the area of concern, URS proposes five borings. Borings 1 and 2 – adjacent to the flocculation ASTs, Boring 3 – next to the pump adjacent to the west of the flocculation ASTs, Boring 4 – on the crack in the concrete opposite the boilers, Boring 5 – opposite the wastewater holding tank near the ion exchange unit.

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Soil samples will be collected at approximately 0.5 to 1.0 foot, 4.5 to 5.0 feet, and 9.5 to 10.0 feet bgs (three samples per boring). If necessary, sampling depths will be adjusted based on visual indications of impact. Groundwater is not expected to be encountered.

Soil samples will be transported to a California State Certified Analytical Laboratory for chemical analysis. All of the soil samples collected will be analyzed for pH and California metals and VOCs. If elevated copper and pH greater than 8.9 are detected, then the corresponding samples will also be analyzed for cyanide using method EPA Method 6010B.

Field duplicates will be collected and analyzed at the rate of 1 duplicate for the entire set of samples. In addition, an equipment rinseate blank will be prepared for each day of sampling (assume 2 days). Proper chain of custody records will be prepared.

2.1.2 Investigation of Degreaser and Floor Drains

Based on the March 2, 2001 inspection, three borings are proposed. Borings 6 and 7 are closest to the vapor degreaser. Boring 6 will be drilled through the floor as close to the degreaser as possible. Borings 7 and 8 will be drilled through the base of the floor trench. Boring 7 will be located in the trench closest to the degreaser and Boring 8 will be located in the trench approximately 25 feet west of the degreaser. Boring 8 will also serve to evaluate the soil conditions adjacent to the wastewater treatment system.

Soil samples will be collected at approximately 0.5 to 1.0 foot and 4.5 to 5.0 feet below the base of the floor channel (the base is already several feet below grade in Borings 7 and 8). A soil sample will also be collected from 9.5 to 10 feet from Boring B-6. If necessary, sampling depths will be adjusted based on visual indications of impact. Groundwater is not expected to be encountered.

Soil samples will be transported to a California State Certified Analytical Laboratory for chemical analysis. The seven samples from Borings 6, 7, and 8 will be analyzed for VOCs using EPA Method 5035 compliant. The samples from Boring 8 (2 soil samples) will also be analyzed for pH and California metals. If elevated pH and copper are detected, then the samples will also be analyzed for cyanide.

2.1.3 Background Investigation

Due to an historic acid spill, Boring 9 is proposed within the chemical storage area adjacent to the south wall (property boundary). Soil samples will be collected at approximately 0.5 to 1.0 foot and 4.5 to 5.0 feet bgs. If necessary, sampling depths will be adjusted based on visual indications of impact. The 0.5 and 5 foot samples will be analyzed for pH and VOCs.

Three background borings are proposed. Background 1 is proposed for the landscape in the front of the business, Background 2 is proposed for the employee parking area, and Background 3 is proposed for the vacant lot adjacent to the parking area. Soil samples will be collected at approximately 0.5 to 1.0 foot, 4.5 to 5.0 feet, and 9.5 to 10.0 feet bgs. If necessary, sampling depths will be adjusted based on visual indications of impact. Groundwater is not expected to be encountered.

Soil samples will be transported to a California State Certified Analytical Laboratory for chemical analysis. All soil samples collected will be analyzed for pH, California metals, VOCs, and cyanide.

2.2 Sampling Methods and Procedures

This section describes the methods and procedures that will be used to collect soil samples. All samples will be handled in accordance with approved procedures specified in Sections 2.4 to 2.6. Sample containers and volumes, as well as preservatives and holding times, are presented in Table 2.

2.2.1 Health and Safety

Prior to implementing the field investigation, field personnel will be required to review and sign a site-specific, URS-prepared, Health and Safety Plan (HSP). The HSP is designed to: (1) identify and describe potentially hazardous substances that may be encountered during field activities; (2) specify protective equipment for onsite activities; (3) specify personnel decontamination procedures; and (4) outline measures to be implemented in the event of an emergency. The HSP will provide site-specific scopes of

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work as well as indicate any unique constituents of concern. The HSP will be in accordance with the guidelines provided by DTSC.

2.2.2 Utility Clearance

Prior to commencement of field activities, Underground Services Alert (USA) will be notified of our intent to conduct subsurface investigations at least 48 hours prior to initiation of intrusive field tasks. All proposed locations of subsurface investigation will be clearly marked with white paint or surveyors flagging as required by USA. USA will contact all utility owners of record within the Site vicinity and notify them of our intention to conduct subsurface investigations in proximity to buried utilities. All utility owners of record, or their designated agents, will be expected to clearly mark the position of their utilities on the ground surface up to the property boundary.

At each planned boring location, a geophysical survey will be conducted to help identify subsurface line and obstructions. Four potential geophysical methods may be used: magnetics; electromagnetics; ground penetrating radar (GPR); and electromagnetic line location. Magnetics and electromagnetics use their respective technologies to identify underground tanks, drums, and conduits. These features are detected due to the ferrous and electrically conductive material of their construction. GPR is used as a follow up technology to characterize identified magnetic or electromagnetic anomalies.

2.2.3 Soil Sampling

At each of the soil boring locations the asphalt or concrete flooring will be removed. Soil borings will be advanced using either hand auger sampling techniques or direct push drilling techniques.

If access requires the use of a hand auger, the following technique will be utilized. A 3-inch diameter hand auger will be manually advanced to the desired sampling depth. After the auger bit reaches the desired sample depth, the hand auger will be removed from the borehole. A manually driven slide-hammer sampler equipped with a core sampler lined with two 2-inch by 3-inch stainless steel rings will be used to collect the soil sample. The core sampler will be driven approximately 0.5 foot into the base of the hand-augered boring. Upon retrieval of the soil samples, the sample sleeves will be

immediately removed from the core sampler. The ends of the selected 2-inch by 3-inch ring will be covered with Teflon sheets and capped with plastic end caps. The remaining soil will be used for lithologic description. After decontamination and adding new sample rings to the sampler, the process is repeated until the desired depth is reached.

If access allows, URS would prefer to use the following direct push technique. The push-probe system is driven by a hydraulic hammer or vibrator. As the core barrel is advanced, soil is driven into an inner 1¾-inch diameter, 18-inch long acetate sleeve. After being driven 18 inches, the rods are removed from the borehole. The acetate sleeve containing the soil is then removed from the sample barrel. Selected 6-inch sections are then cut and the ends are covered with Teflon sheets, capped with plastic end caps, and sealed with Teflon sheeting or ParafilmTM. Remaining soil is used for lithologic description. After decontamination and adding a new sleeve, the sample barrel is lowered back into the casing, additional sections of casing are added, and the process is repeated until the desired depth is reached.

Sample labels will be fixed onto the sides of the containers and will contain the following information: boring number, sample number, depth, collector name, sample location, date and time of collection. Sealed and labeled samples will be cooled in the field in an ice chest and shipped by URS under standard chain-of-custody to a California EPA-certified analytical laboratory selected for the analyses. Down-hole drilling equipment will be cleaned prior to drilling each boring. Prior to soil sampling, samplers will be washed in a dilute non-phosphate detergent solution, triple rinsed in fresh and then distilled water, and air-dried.

Generated soils and decontamination fluids will be placed in U.S. Department of Transportation (DOT)-approved drums for temporary storage pending disposal (see Section 3.8). Once sampling has been completed, the borehole annulus will be backfilled with hydrated bentonite chips to grade and the surface finished with asphaltic material, concrete, or dirt, to match the original ground surface at each boring location.

2.2.4 Field Instrument Calibration

During drilling and sampling operations, an organic vapor monitor (OVM) will be used to monitor the presence and level of organic vapors in the borings and to screen soil samples for Health and Safety purposes. The data will be used as an immediate indicator

of volatile organic vapors in subsurface materials. A RAE Systems Inc. MiniRAE (MiniRAE) Photoionization detector (PID) or equivalent will be employed at the site.

The organic vapor readings will be recorded on boring logs prepared by the field geologist during drilling activities. The boring logs will record the following sampling information: boring number and location; sample identification numbers; date and time; sample depth; lithologic description in accordance with the Unified Soils Classification System (USCS); description of any visible evidence of soil contamination (i.e., odor, staining); and OVM readings.

The OVM must be calibrated in order to display concentration in units equivalent to parts per million (ppm). A Span Gas, containing a known concentration of an ionizable gas or vapor, is used to set the sensitivity. Isobutylene at 100 ppm in air will be used as the Span Gas. The instrument will be calibrated as follows:

1. Connect the calibration adapter to the gas inlet tube of the PID, and connect the calibration adapter to the Span Gas cylinder. Hand tighten the fittings.
2. Turn the flow controller knob counterclockwise about half a turn to start the flow of gas. The pump noise should change indicated that the gas has started to flow.
3. Wait for the instrument reading to stabilize within ± 0.1 ppm. This usually takes about 30 to 40 seconds. When the last digit of the reading stops changing for a few seconds, depress the [enter] key to complete the procedure.
4. Turn the flow controller knob fully clockwise to turn off the flow of gas. Disconnect the calibration adapter from the PID.

One may depress the [menu] key any time before depressing the [enter] key in Step 3 to abort the calibration. In this case, the previously stored calibration data is not changed. The instrument will be calibrated a minimum of once per day. OVMs used at the Site will be equipped with a lamp energy of 10.6 eV.

2.3 Sample Analysis

2.3.1 Analytical Program

Offsite analytical services will be provided by SunStar Environmental Laboratories, Inc. (Sunstar) of Tustin, California. Sunstar is accredited by the California Environmental Protection Agency, Department of Health Services, Environmental Laboratory Accreditation Program (ELAP). Analyses will be requested on chain-of-custody records (see Section 3.63). The laboratory will be instructed to report estimated values between the method detection limit and reporting limit and "J"-flag each estimated value.

The following samples (including field quality control [QC] samples) will be collected as part of this investigative effort.

- 30 soil samples for California Metals by EPA Method 6010/7400 (26 field samples and 4 field duplicates). Seven of these will be held for possible cyanide analysis.
- 30 soil samples for cyanide by EPA Methods 9010 (26 field samples and 4 duplicate samples). With the exception of Boring 1 and the background samples, cyanide analysis will be dependent on the detection of elevated copper and pH greater than 8.9, and therefore may not be performed.
- 32 soil samples for pH by EPA Method 9040/9045 (28 field samples and 4 duplicate samples).
- 37 soil samples for VOCs by EPA Method 5035 compliant (33 field samples and 4 duplicate samples).
- Two (2) water sample (field equipment rinseate) for California Metals and VOCs by EPA Method 6010/7400 and by EPA Method 8260. If elevated copper is detected and pH greater than 8.9, then the rinseate samples will also be analyzed for cyanide.

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All soil samples will be packaged in a stainless steel sleeve or in an acetate sleeve or as specified by the Encore sampling method for VOCs. The field equipment blank will be placed in a pre-prepared sample bottle provided by the analytical laboratory.

2.3.2 Analysis Methods and Method Detection Limits

As discussed above, the following analytical methods will be utilized for this investigation:

Soil Matrix

EPA Method 9010 – cyanide
EPA Method 9040/9045 – pH
EPA Method 6010/7400 – metals
EPA Method 5035 – compliant

Water Matrix (Field Equipment Blank)

EPA Method 9010
EPA Method 9040/9045
EPA Method 6010/7400
EPA Method 8260

Soil Matrix

EPA Method 9010 – cyanide
EPA Method 9040/9045 – pH
EPA Method 6010/7400 – metals

Method Detection Limit

0.5 mg/Kg
Each tenth past the decimal
Antimony – 2 mg/Kg
Arsenic – 5 mg/Kg
Barium through lead – 1 mg/Kg
Mercury – 0.1 mg/Kg
Molybdenum and Nickel – 1 mg/Kg
Selenium – 5 mg/Kg
Silver and Thallium – 2 mg/Kg
Vanadium and Zinc – 1 mg/Kg

EPA Method 5035 – compliant

5 to 10 µg/Kg (depending on the analyte)

2.4 Sample Containers and Preservatives

Sample rings and any other necessary containers required for the specified analyses will generally be provided by the laboratory immediately prior to the sampling event. The containers will be pre-cleaned and will not be rinsed prior to sample collection.

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Preservatives, if required, will have been added to the containers by the laboratory prior to shipment of the sample containers to the sample collector.

Analytical methods, number of samples, types of containers, preservative, and holding times are summarized in Section 2.3.1.

2.5 Sample Packaging and Shipment

To identify and manage samples obtained in the field, a sample label will be affixed to each sample container. The sample labels will include the following information:

- Project number
- Site name
- Boring number
- Sample identification number
- Sampler's initials
- Date and time of collection
- Preservative, if any.

Following collection and labeling, samples will be immediately placed in a sample cooler for temporary storage. The following protocol will be followed for sample packaging:

1. Sample containers will be placed in clear, plastic, leak-resistant bags prior to placement in the ice chest. Check screw caps for tightness prior to placing the sample in the bag.
2. Samples to be shipped will be placed in the cooler and packed with packaging materials to minimize the potential for disturbance and/or breakage of the sample containers.
3. Ice will be placed in leak-resistant plastic bags and included in the coolers to keep samples at a chilled temperature during transport to the analytical laboratory. The drain plug of the cooler will be secured with fiberglass tape to prevent melting ice from leaking out of the cooler.

4. The chain-of-custody form will be placed in a water-resistant plastic bag and taped on the inside of the lid of the cooler.
5. Strapping tape will be placed around all coolers prior to transport to the laboratory.

A temperature blank consisting of a 40-milliliter glass vial of distilled water will be included in each cooler sent to the analytical laboratory. The purpose of the temperature blank is to allow the analytical laboratory to obtain a representative measurement of the temperature of samples enclosed in a cooler without disturbing the actual samples. The field team will package and label the temperature blank like a regular water sample; however, the analytical laboratory will only measure the temperature of the blank upon receipt of samples.

Every effort will be made to transport the samples to the analytical laboratory at the end of the sampling day. However, if the sampling runs late and/or the laboratory is closed, the samples will be stored overnight in a secured location (e.g., at the contractor's office) under appropriate chain-of-custody procedures, and the samples will be shipped to the laboratory the next day. Prior to overnight storage, the cooler(s) will be restocked with new ice or blue ice to maintain the samples in a chilled state. The temperature blank inside each cooler will be checked by the sample collector at the beginning of the evening and in the morning and the temperature readings will be recorded in the field logbook.

2.6 Sample Documentation

2.6.1 Field Logbooks

Field logbooks will document where, when, how, and from whom any vital project information was obtained. Logbook entries will be complete and accurate enough to permit reconstruction of field activities. Logbooks will be bound with consecutively numbered pages. Each page will be dated and the time of entry noted in military time. All entries will be legible, written in black ink, and signed by the individual making the entries. Language will be factual, objective, and free of personal opinions or other terminology which might prove inappropriate. If an error is made, corrections will be made by crossing a line through the error and entering the correct information.

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Corrections will be dated and initialed. No entries will be obliterated or rendered unreadable.

Entries in the field logbook will include at a minimum the following for each sample date:

- Site name and address
- Recorder's name
- Team members and their responsibilities
- Time of Site arrival/entry onsite and time of Site departure
- Other personnel onsite
- A summary of any onsite meetings
- Deviations from sampling plans and Site safety plans
- Changes in personnel and responsibilities as well as reasons for the changes
- Levels of safety protection
- Calibration readings for any equipment used and equipment model and serial number.

At a minimum, the following information will be recorded during the collection of each sample:

- Sample identification number
- Sample location and description
- Site sketch showing sample location and measured distances
- Sampler's name(s)
- Date and time of sample collection
- Designation of sample as composite or grab
- Type of sample (i.e., matrix)
- Type of preservation
- Type of sampling equipment used
- Field observations and details important to analysis or integrity of samples (e.g., heavy rains, odors, colors, etc.)
- Instrument readings (e.g., PID readings, etc.)
- Chain-of-custody form numbers and chain-of-custody seal numbers
- Transport arrangements (courier delivery, lab pickup, etc.)

- Recipient laboratory(ies).

2.6.2 Boring Logs

A lithologic description of the materials encountered and collected will be maintained on boring logs compiled by the field geologist. Soils will be classified in accordance with the Unified Soils Classification System (USCS), and descriptions will include soil type, particle size and distribution, color (using the Munsell soil color chart), moisture content, and evidence of contamination (discoloration, unusual odors, etc.). The soil samples will be screened for the presence of elevated organic vapor concentrations using an OVM, and the measurements will be recorded on the boring log.

2.6.3 Chain-of-Custody Records

Chain-of-custody (COC) records are used to document sample collection and shipment to laboratory for analysis. Sample shipments for analyses will be accompanied by a COC record. If multiple coolers are sent to a single laboratory on a single day, COC form(s) will be completed and sent with the samples for each cooler. The COC record will identify the contents of each shipment and maintain the custodial integrity of the samples. Generally, a sample is considered to be in someone's custody if it is either in someone's physical possession, in someone's view, locked up, or kept in a secured area that is restricted to authorized personnel. Until receipt by the laboratory, the custody of the samples will be the responsibility of the sample collector.

The shipping containers in which samples are stored (usually a sturdy picnic cooler or ice chest) will be sealed with self-adhesive custody seals any time they are not in someone's possession or view before shipping. All custody seals will be signed and dated.

2.6.4 Photographs

Photographs will be taken at every sample location and at other areas of interest onsite. They will serve to verify information entered in the field logbook. When a photograph is taken, the following information will be written in the logbook or will be recorded in a separate field photography log:

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- Time, date, location, and, if appropriate, weather conditions
- Description of the subject photographed
- Name of person taking the photograph.

2.7 Decontamination Procedures

All equipment that comes into contact with potentially contaminated soil or water will be decontaminated consistently as to assure the quality of samples collected. Disposable equipment intended for one time use will not be decontaminated, but will be packaged for appropriate disposal. Decontamination will occur prior to and after each use of a piece of equipment. All drilling and sampling devices used will be decontaminated using the following procedures:

- Non-phosphate detergent and tap water wash, using a brush if necessary
- Tap-water rinse
- Initial distilled water rinse
- Final distilled water rinse.

Equipment will be decontaminated in a pre-designated area on plastic sheeting, and clean bulky equipment will be stored on plastic sheeting in uncontaminated areas. Cleaned small equipment will be stored in plastic bags. Materials to be stored more than a few hours will also be covered.

2.8 Investigative Waste Management

In the process of collecting environmental samples during the proposed field-sampling program, different types of potentially contaminated investigation-derived wastes (IDW) will be generated that include the following:

- Used personal protective equipment (PPE)
- Disposable sampling equipment
- Soil cuttings
- Decontamination fluids.

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The sampling plan will follow applicable portions of the *Office of Emergency and Remedial Response (OERR) Directive 9345.3-02* dated May 1991, which provides the guidance for the management of IDW.

Listed below are the procedures that will be followed for handling the IDW:

- Used PPE and disposable equipment will be double bagged and placed in a municipal refuse dumpster. These wastes are not considered hazardous and can be sent to a municipal landfill. Any PPE and disposable equipment that is to be disposed of which can still be reused will be rendered inoperable before disposal in the refuse dumpster.
- Soil cuttings will be placed in DOT-approved drums. The drums will be sealed, dated, and labeled, pending receipt of analytical results.
- Decontamination water will be placed in DOT-approved drums. The drums will be sealed so that they are watertight, dated, and labeled, pending receipt of analytical results.
- The sealed drums will be stored within a secured area onsite.

Following receipt of analytical results, all liquid IDW (decontamination water) and solid IDW (soil cuttings) will be disposed at appropriate disposal/treatment/recycling facilities. All shipping documents (hazardous waste manifests and bills of lading) will be included in the final report. All hazardous waste manifests will be signed by a representative of Associated Plating, with Associated Plating listed as generator of the wastes.

2.9 Quality Assurance And Quality Control Measures

An integral part of the sampling and analysis plan is quality assurance/quality control (QA/QC) procedures to ensure the reliability and compatibility of all data generated during the investigation. The chemical data to be collected for this effort will be used to ensure that the area of concern is accurately and thoroughly evaluated. Strict QA/QC procedures will be adhered to.

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3.0 REPORT PREPARATION

The results of the investigation will be included in the Further Investigation Report, which will be submitted to DTSC. The report will include a description of the Site background and environmental setting, detailed discussions of field procedures, field observations, and analytical results and laboratory reports. The report will include an assessment of the data.

If further action is recommended, the report will identify additional assessment or investigation needs and strategies. The report will also include recommendations for expedited response actions, if any are necessary, to mitigate any immediate potential hazards to public health or the environment.

4.0 PROPOSED WORK SCHEDULE

URS proposes to begin this project immediately upon receipt of DTSC approval. We will need at least one week to schedule and prepare for the field work. The fieldwork for the proposed soil sampling investigation can be completed within two to three field days. We anticipate that a draft report will be available approximately two weeks following completion of the field sampling.

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URS appreciates the opportunity to present this workplan to the DTSC. We look forward to your comments.

Sincerely,

URS

DEBRA B. STOTT, REA, R.G.
Senior Geologist – Los Angeles
213-996-2441

KENNETH M. JURISH, ESQ.
Project Director – Chicago
312-697-7219

cc: Mr. John Shulkin
Associated Plating Company
9636 Ann Street
Santa Fe Springs, CA 90670

TABLE 1 – ANALYTICAL SUMMARY

Wastewater Treatment	Sample Intervals Below the surface	Analyses	Additional Analysis if pH and copper are elevated	No. of samples collected
B-1	0.5-1, 4.5-5, 9.5-10	pH CA Metals Cyanide VOCs		3
B-2	0.5-1, 4.5-5, 9.5-10	pH CA Metals VOCs	Cyanide	3
B-3	0.5-1, 4.5-5, 9.5-10	pH CA Metals VOCs	Cyanide	3
B-4	0.5-1, 4.5-5, 9.5-10	pH CA Metals VOCs	Cyanide	3
B-5	0.5-1, 4.5-5, 9.5-10	pH CA Metals VOCs	Cyanide	3
Degreaser and Floor Trenches	Sample intervals below the base of the floor or trench			
B-6	0.5-1, 4.5-5, 9.5-10	VOCs		3
B-7	0.5-1, 4.5-5	VOCs		2
B-8	0.5-1, 4.5-5	VOCs pH CA Metals	Cyanide	2
Chemical Storage				
B-9	0.5-1, 4.5-5	pH VOCs		2
Background				
Background 1	0.5-1, 4.5-5, 9.5-10	pH and cyanide CA metals VOCs		3
Background 2	0.5-1, 4.5-5, 9.5-10	pH and cyanide CA Metals VOCs		3
Background 3	0.5-1, 4.5-5, 9.5-10	pH and cyanide CA Metals VOCs		3
Duplicates				
Day 1	0.5-1 4.5-5	pH CA Metals VOCs	Cyanide	2
Day 2	0.5-1 4.5-5	pH CA Metals VOCs	Cyanide	2

TABLE 1 – ANALYTICAL SUMMARY

Wastewater Treatment	Sample Intervals Below the surface	Analyses	Additional Analysis if pH and copper are elevated	No. of samples collected
Equipment Rinsate				
Day 1		pH CA Metals VOCs	Cyanide	1
Day 2		pH CA Metals VOCs	Cyanide	1



Department of Toxic Substances Control



Winston H. Hickox
Agency Secretary
California Environmental
Protection Agency

Edwin F. Lowry, Director
5796 Corporate Avenue
Cypress, California 90630

Gray Davis
Governor

October 31, 2001

Mr. Michael Evans
Associated Plating Co.
9636 Ann Street
Santa Fe Springs, California 90670

**REVISED INTERIM MEASURES WORKPLAN FOR ASSOCIATED PLATING CO.
FACILITY, 9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA 90670,
EPA ID NO CAD 043 079 110**

Dear Mr. Evans:

The Department of Toxic Substances Control (DTSC) has reviewed the revised Interim Measures Workplan (Workplan) and the Health and Safety Plan both dated October 24, 2001, prepared by URS for Associated Plating Co. located at 9636 Ann Street, Santa Fe Springs, California 90670. This letter is to notify you that the Workplan is hereby approved.

A report presenting the findings of the investigation activities should be submitted to DTSC at the conclusion of the investigation. This investigation is being conducted to determine if any additional investigation will be required. Please note that the report should include at a minimum, the following:

- description of the activities
- a map documenting all of the sample locations
- a sampling methodology and analytical methods used including QA/QC
- a table describing all sample results, include copies of all laboratory analytical data reports
- a table describing summary of analysis of data and conclusions include detection limits used
- recommendations

In the event that the report can not be submitted as proposed, please notify DTSC in writing of the change in schedule.

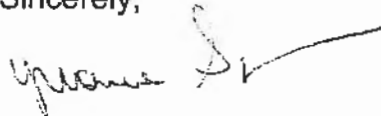
*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption.
For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at www.dtsc.ca.gov.*

October 31, 2001

Page 2

If you have any questions or concerns regarding this matter, please contact Mr. Nebu John at (714) 484-5475.

Sincerely,



Yvonne Sanchez
Section Chief
Southern California Branch
State Regulatory Programs Division

Certified Mail
7000 1670 0005 6054 9338
Return Receipt Requested

cc: Mr. Bill Jones, Manager
Health Haz/Mat Division
Los Angeles County Fire Department
5825 Rickenbacker Road
Commerce, California 90040

Mr. Mauricio Escobar
URS Corporation
911 Wilshire Boulevard, Suite 800
Los Angeles, California 90017



December 7, 2001

Ms. Yvonne Sanchez
Unit Chief – State Regulatory Programs Division
Southern California Branch
Department of Toxic Substances Control
California EPA
5796 Corporate Avenue
Cypress, California 90630

Re: Interim Measures Workplan Addendum
Associated Plating Company, Inc.
9636 Ann Street
Santa Fe Springs, California 90670
EPA ID #CAD043079110
URS Project No. 59-00115133.01

Dear Ms. Sanchez:

On behalf of Associated Plating Company, Inc. (APCI), URS Corporation (URS) is pleased to submit this Interim Measures Workplan Addendum (Addendum) to the Department of Toxic Substances Control (DTSC). In accordance with a Subsurface Investigation Workplan approved by DTSC in an October 31, 2001 letter, URS conducted fieldwork at the subject property on Thursday, November 1, 2001. Based on the results of this investigation, URS is requesting that two shallow soil borings be relocated and one deep soil boring be added to the field program. URS believes that these additions/alterations to the original Workplan will provide for a more comprehensive set of data allowing for better interpretation of subsurface site conditions and recommendations, as appropriate.

1.0 SUMMARY

During field activities of November 1, 2001, URS completed nine (9) of the twelve (12) proposed soil borings. The remaining three borings (B3, B4, and B5) were not completed due to concrete thickness exceeding 12-inches on the south side of the building. With the exception of boring BG-3, all completed boring locations encountered refusal prior to reaching 10-foot bgs. It is believed that a concrete slab that provided footing for a former on-site aboveground tank may still be present throughout a large portion of the subject property.

URS Corporation
911 Wilshire Boulevard, Suite 800
Los Angeles, CA 90017-3437
Tel: 213.996.2200
Fax: 213.996.2458

Workplan Addendum
Associated Plating
EPA ID #CAD043079110
URS Project No. 59-00115133.01
December 7, 2001
Page 2

In general, laboratory analytical results indicate that shallow subsurface soils in the vicinity of B1, B2 and B9 (outside the southeast corner of the building), and in the immediate vicinity of B6 (north of the degreasing area) have elevated concentrations of volatile organic compounds (VOCs). In addition, all soil samples analyzed had detectable concentrations of total petroleum hydrocarbons (TPH), including gasoline fuel constituents.

Soil samples analyzed for cyanide had concentrations below the laboratory detection limit. Soil samples analyzed for Title 22 metals had concentrations within acceptable background levels. Soil samples analyzed for pH were within acceptable levels.

2.0 SAMPLING STRATEGY AND APPROACH

URS proposes to relocate soil borings B3 and B5 to the drum storage area north of B1 (See Figure 1). This will provide for greater horizontal control in that area. In addition, URS proposes to add boring B10 in the vicinity of borings B1, B2, and B9. This boring will be driven 20 feet below the concrete slab (locally 7-feet bgs) to assess the vertical extent of VOC impacts.

Soil sample collection and sampling in borings B3 and B5 will be completed as per the Workplan. Soil samples in boring B10 will be collected at approximately 0.5 foot, 5.0 feet, immediately beneath the concrete slab, and at 5-foot intervals to 20 feet below the concrete slab. If necessary, sampling depths will be adjusted based on visual indications of impact. If groundwater is encountered, a grab sample will be collected and the boring will be terminated. Soil samples collected from boring B10 will be transported to a California State Certified Analytical Laboratory for chemical analysis. Soil samples collected will be analyzed for VOCs using EPA Method 8260B.

In order to complete boring B10, URS will utilize a hollow stem auger drilling rig. Soil cuttings will be drummed and placed on-site for profiling and off-site disposal. The soil boring will be backfilled with a portland cement bentonite slurry mixture.



Workplan Addendum
Associated Plating
EPA ID #CAD043079110
URS Project No. 59-00115133.01
December 7, 2001
Page 3

3.0 PROPOSED WORK SCHEDULE

URS proposes to begin this project immediately upon receipt of DTSC approval. We will need at least one week to schedule and prepare for the fieldwork. The fieldwork for the proposed soil sampling investigation can be completed within one to two field days. We anticipate that a draft report will be available approximately two weeks following completion of the field sampling.

-o0o-

URS appreciates the opportunity to present this workplan to the DTSC. We look forward to your comments.

Sincerely,

URS

MAURICIO H. ESCOBAR, REA
Project Geologist
213-996-2454

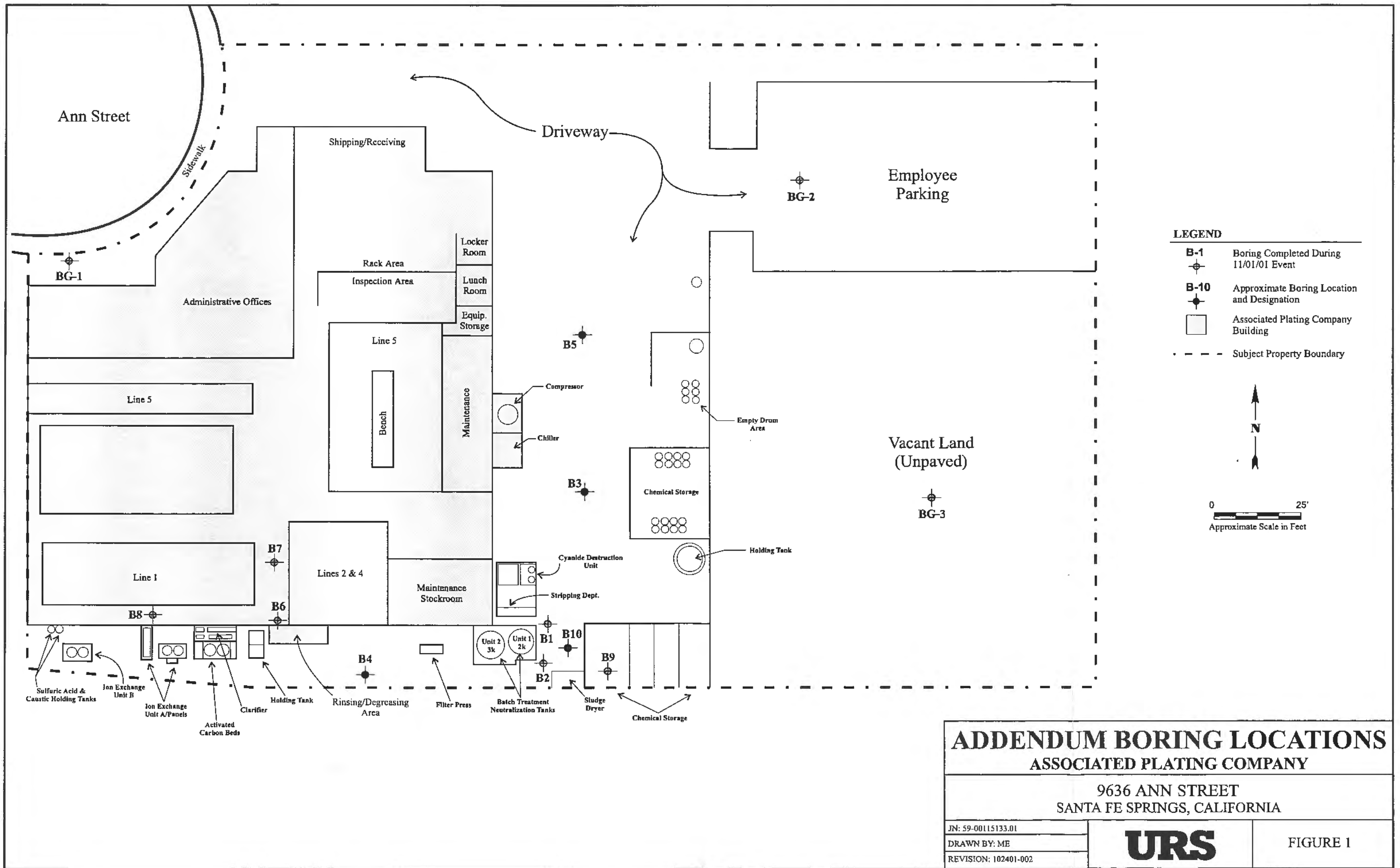
DEBRA B. STOTT, REA, R.G.
Senior Geologist - Los Angeles
213-996-2441

KENNETH M. JURISH, ESQ.
Project Director - Chicago
312-697-7219



Workplan Addendum
Associated Plating
EPA ID #CAD043079110
URS Project No. 59-00115133.01
December 7, 2001
Page 4

cc: Mr. Jon Shulkin
Associated Plating Company
9636 Ann Street
Santa Fe Springs, CA 90670





Department of Toxic Substances Control



Winston H. Hickox
Agency Secretary
California Environmental
Protection Agency

Edwin F. Lowry, Director
5796 Corporate Avenue
Cypress, California 90630

Gray Davis
Governor

February 8, 2002

Mr. Michael Evans
Associated Plating Co.
9636 Ann Street
Santa Fe Springs, California 90670

**INTERIM MEASURES WORKPLAN ADDENDUM FOR ASSOCIATED PLATING CO.
FACILITY, 9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA 90670,
EPA ID NO CAD 043 079 110**

Dear Mr. Evans:

The Department of Toxic Substances Control (Department) has reviewed the above referenced Workplan Addendum (Workplan) dated December 7, 2001, prepared by URS on behalf of Associated Plating Co. located at 9636 Ann Street, Santa Fe Springs, California 90670. This letter is to notify you that the Department concurs with the proposals in the Workplan to add three additional borings to investigate the vertical and lateral extent of Volatile Organic Compounds (VOCs) in the vicinity of borings 1, 2, and 9 (B1, B2, and B9). However, the remaining three borings (B3, B4, and B5) and sampling from those borings must be completed as described in the previously approved Workplan "Interim Measures Workplan, Associated Plating" dated October 24, 2001, in order to determine the lateral and vertical extent of the contamination in the water treatment area.

A report presenting the findings of the investigation activities should be submitted to DTSC at the conclusion of the investigation. This investigation is being conducted to determine if any additional investigation will be required. Please note that the report should include at a minimum, the following:

- description of the activities
- a map documenting all of the sample locations
- a sampling methodology and analytical methods used including QA/QC
- a table describing all sample results, including copies of all laboratory analytical data reports

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at www.dtsc.ca.gov.

February 8, 2002

Page 2

- a table describing summary of analysis of data and conclusions including detection limits used
- recommendations

In the event that the report cannot be submitted as proposed, please notify DTSC in writing of the change in the schedule.

If you have any questions or concerns regarding this matter, please contact Mr. Nebu John at (714) 484-5475.

Sincerely,

for 

Yvonne Sanchez
Section Chief
Southern California Branch
State Regulatory Programs Division

Certified Mail
7000 1670 0005 6054 9215
Return Receipt Requested

cc: Mr. Dave Klunk
Santa Fe Springs Fire Department
11300 Greenstone Avenue
Santa Fe Springs, California 90670

Mr. Mauricio H. Escobar
URS Corporation
911 Wilshire Boulevard, Suite 800
Los Angeles, California 90017

APPENDIX B

APPENDIX B
SOIL BORING LOGS

Date(s) Drilled	11/1/01	Logged By	M.Escobar	Boring B1 Sheet 1 of 1	
Drilling Method	Direct Push	Checked By	D.Stott		
Drill Rig Type	Badger LAR	Drill Bit Size/Type	1"		
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Vironex	Job Number	59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft)	7.5
Comments				Approximate Ground Surface Elevation(ft)	

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		B1-0.5		0.0		ML	CLAYEY SILT: Plastic, dark, stained, strong odor, fine, no clastics.
5		B1-5		0.0			← soil is saturated with oil.
10							Refusal encountered at 7.5 feet below ground surface (bgs). Second boring attempt unsuccessful penetrating past 7.5 feet bgs. No groundwater observed.
15							
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

☐ Sample Interval

☐ Laboratory Sample

☒ No Recovery

☒ Ground Water Observed

NOTES

PID = Photoionization Detector

NM = Not Measured

NA = Not Applicable

ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
Santa Fe Springs, CA

FOR: Associated Plating

URS

Date(s) Drilled	11/1/01	Logged By	M. Escobar	Boring B2 Sheet 1 of 1	
Drilling Method	Direct Push	Checked By	D. Stott		
Drill Rig Type	Badger LAR	Drill Bit Size/Type	1"		
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Vironex	Job Number	59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft)	7.5
Comments				Approximate Ground Surface Elevation (ft)	

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		B2-0.5		13.0		ML	SANDY SILT: Dark Grey, fine, moist, heavy hydrocarbon staining, strong odor.
5		B2-5		8.1			← soil is saturated with oil.
10							Refusal encountered at 7.5 feet below ground surface. Sample recovered from 7.5 feet, but onsite DTSC representative decided not to collect/preserve for lab analysis. No groundwater observed.
15							
20							
25							
30							
35							
40							

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- ☐ Sample Interval
☒ Laboratory Sample
☒ No Recovery
☒ Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
 Santa Fe Springs, CA

FOR: Associated Plating

URS

Date(s) Drilled	2/20/02	Logged By	J.Dadaklis	Boring B3 Sheet 1 of 1	
Drilling Method	Direct Push	Checked By	D.Stott		
Drill Rig Type	Geoprobe 540M LAR	Drill Bit Size/Type	1"		
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Interphase	Job Number	59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft)	7.0
Comments				Approximate Ground Surface Elevation(ft)	

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0							18" thick concrete slab.
4		B3-1.5		16.8		ML	CLAYEY SILT: sample is fairly water saturated, low-med plasticity, low-med toughness, no dilatancy, slightly stiff, moist, hydrocarbon odor, heavy staining, very dark gray (5Y 3/1).
5		B3-5		4.2		ML	SILT: similar to above, but now with some fine sand and less clay, less stiff than above.
10							Refusal encountered at 7.0 feet below ground surface. No groundwater observed.
15							
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

- ☐ Sample Interval
☒ Laboratory Sample
☒ No Recovery
☒ Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million



LOG OF BORING

Further Investigation

9636 Ann Street
 Santa Fe Springs, CA

FOR: Associated Plating

Date(s) Drilled	2/20/02	Logged By	J.Dadakis	Boring B4 Sheet 1 of 1
Drilling Method	Direct Push	Checked By	D.Stott	
Drill Rig Type	Geoprobe 540M LAR	Drill Bit Size/Type	1"	
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Interphase	Job Number 59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft) 7.0
Comments				Approximate Ground Surface Elevation(ft)

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		B4-1		13.4		ML	14" thick concrete slab.
5		B4-5		5.9		ML	SILT: wet sample, low toughness, medium plasticity, slow dilitancy, some clay, trace fine sand, soft, strong hydrocarbon odor, dark greenish gray (Gley 1 4/1). CLAYEY SILT: wet sample, medium toughness, medium plasticity, slow dilitancy, moist, trace fine sand, stiffer than above, strong hydrocarbon odor, dark greenish gray (Gley 1 3/1).
10							Refusal encountered at 7.0 feet below ground surface. No groundwater observed.
15							
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

- ☐ Sample Interval
☒ Laboratory Sample
☒ No Recovery
☒ Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
 Santa Fe Springs, CA
 FOR: Associated Plating

Date(s) Drilled	2/20/02	Logged By	J.Dadaklis	Boring B5 Sheet 1 of 1	
Drilling Method	Direct Push	Checked By	D.Stott		
Drill Rig Type	Geoprobe 540M LAR	Drill Bit Size/Type	1"		
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Interphase	Job Number	59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft)	7.0
Comments				Approximate Ground Surface Elevation(ft)	

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0							12" thick concrete slab.
		B5-1		63.0		ML	CLAYEY SILT: low-medium toughness, low-medium plasticity, slow dillitancy, 10% fine sand, slightly stiff, moist, strong hydrocarbon odor, visible staining, very dark gray (5Y 3/1)
5		B5-5		175.0		ML	← same as above, slightly sandier, lower plasticity and toughness.
10							Refusal encountered at 7.0 feet below ground surface. No groundwater observed.
15							
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

- ☐ Sample Interval
☒ Laboratory Sample
☒ No Recovery
☒ Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
Santa Fe Springs, CA

FOR: Associated Plating

URS

Date(s) Drilled	11/1/01	Logged By	M. Escobar	Boring B6 Sheet 1 of 1	
Drilling Method	Direct Push	Checked By	D. Stott		
Drill Rig Type	Badger LAR	Drill Bit Size/Type	1"		
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Vironex	Job Number	59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft)	7.0
Comments				Approximate Ground Surface Elevation(ft)	

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0							12" thick concrete slab.
		B5-1		63.0		ML	CLAYEY SILT: low-medium toughness, low-medium plasticity, slow dillitancy, 10% fine sand, slightly stiff, moist, strong hydrocarbon odor, visible staining, very dark gray (5Y 3/1)
5		B5-5		175.0		ML	← same as above, slightly sandier, lower plasticity and toughness.
10							Refusal encountered at 7.0 feet below ground surface. No groundwater observed.
15							
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

- ☐ Sample Interval
☒ Laboratory Sample
☒ No Recovery
☒ Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
 Santa Fe Springs, CA

FOR: Associated Plating

URS

Date(s) Drilled	11/1/01	Logged By	M.Escobar	Boring B7 Sheet 1 of 1
Drilling Method	Direct Push	Checked By	D.Stott	
Drill Rig Type	Badger LAR	Drill Bit Size/Type	1"	
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Vironex	Job Number 59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft) 7.0
Comments				Approximate Ground Surface Elevation(ft)

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0						ML	
5		B7-3		0.0			SANDY SILT: fine-grained, discolored, hydrocarbon odor, slightly plasticity, stiff, moist.
		B7-5		0.0			
10							Refusal encountered at 7.0 feet below ground surface. No groundwater observed.
15							
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

- ☐ Sample Interval
☒ Laboratory Sample
☒ No Recovery
☒ Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
 Santa Fe Springs, CA

FOR: Associated Plating

Date(s) Drilled	11/1/01	Logged By	M.Escobar	Boring B8 Sheet 1 of 1	
Drilling Method	Direct Push	Checked By	D.Stott		
Drill Rig Type	Badger LAR	Drill Bit Size/Type	1"		
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Vironex	Job Number	59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft)	7.0
Comments				Approximate Ground Surface Elevation(ft)	

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		B8-0.5		0.0		ML	SANDY SILT: Fine, slight plasticity, slightly moist, no clastics, slight discoloration/odor.
5		B8-5		0.0			continued discoloration and odor.
10							Refusal encountered at 7.0 feet below ground surface No groundwater observed
15							
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

- ☐ Sample Interval
☒ Laboratory Sample
☒ No Recovery
☒ Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
 Santa Fe Springs, CA

FOR: Associated Plating



Date(s) Drilled	11/1/01	Logged By	M. Escobar	Boring B9 Sheet 1 of 1
Drilling Method	Direct Push	Checked By	D. Stott	
Drill Rig Type	Badger LAR	Drill Bit Size/Type	1"	
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Vironex	Job Number 59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft) 5.0
Comments				Approximate Ground Surface Elevation(ft)

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		B9-0.5		0.0		ML	SANDY SILT: Stained, strong odor, fine matrix, no clastics, plastic, moist.
5		B9-5		2.4			← same as above
10							Boring terminated at 5.0 feet below ground surface. No groundwater observed.
15							
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

- ☐ Sample Interval
☒ Laboratory Sample
☒ No Recovery
☒ Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
 Santa Fe Springs, CA

FOR: Associated Plating

URS

Date(s) Drilled	2/21/02	Logged By	J.Dadakis	Boring B10 Sheet 1 of 1	
Drilling Method	HSA	Checked By	D.Stott		
Drill Rig Type	B-61	Drill Bit Size/Type	8"		
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Excel Drilling	Job Number	59-00115133.01
Approximate Groundwater Depth and Date Measured	37 feet below ground surface	Hammer Data	140 lbs./30 in.	Total Depth Drilled (ft)	7.5
Comments				Approximate Ground Surface Elevation(ft)	

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		B10-0.5	NA	148.0		ML	4" concrete slab.
						ML	SILT: low plasticity, low toughness, slow dillancy, some fine sand, slightly stiff, slightly moist, strong hydrocarbon odor, stained, dark gray (10 YR 4/1).
5		B10-5	4-4-4	61.6			CLAYEY SILT: medium plasticity, low toughness, slow dillancy, slightly stiff (stiffer than above), slightly moist, hydrocarbon odor, stained, dark gray (5Y 4/1).
						ML	4" concrete slab
10		B10-10	14-14-20	24.1			Driller estimates 8" of gravel fill beneath slab based on rig response. SILT: low plasticity, low toughness, slow dillancy, 10-15% fine sand, slightly moist, slightly stiff, faint hydrocarbon odor (much less than above), no, no visible staining, light olive brown (2.5Y 5/3).
15		B10-15	14-14-14	20.0			← same as above.
20		B10-20	7-7-9	100.0		CL	SILTY CLAY: medium plasticity, low-to-medium toughness, no dillancy, stiff, very slightly moist, hydrocarbon odor, gray (5Y 5/1).
25		B10-25	14-18-22	700.0		ML	CLAYEY SILT: low-medium plasticity, low toughness, slow dillancy, hydrocarbon odor, greenish gray (Gley 1 5/1 10Y).
30		B10-30	12-13-14	130.0		SP	SAND: Poorly-graded, 90% fine sand, 10% medium sand, trace silt, loose, slightly moist, hydrocarbon odor, mild staining, dark grayish brown (2.5Y 4/2).
35		B10-35	51 for 6"	442.0		SW	GRAVELLY SAND: 50% fine sand, 10% medium sand, 10% coarse sand, 25% fine gravel, 5% silt, loose, moist, hydrocarbon odor, mild staining, olive gray (5Y 4/2).
40							Boring advanced to a total depth of 40 feet below ground surface (bgs). Groundwater observed at 37 feet bgs with floating free product. Backfill with bentonite volclay grout and cap with ready-set concrete.

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

- Sample Interval
 Laboratory Sample
 No Recovery
 Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
 Santa Fe Springs, CA

FOR: Associated Plating

Date(s) Drilled	2/20/02	Logged By	J. Dadakis	Boring B11 Sheet 1 of 1	
Drilling Method	Direct Push	Checked By	D. Stott		
Drill Rig Type	Geoprobe 540M LAR	Drill Bit Size/Type	1"		
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Interphase	Job Number	59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft)	7.0
Comments				Approximate Ground Surface Elevation (ft)	

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		B11-0.5		2.0		ML	4" thick concrete slab.
5		B11-5		16.1		ML	SILT: low plasticity, low toughness, 10% fine sand, slightly stiff, slightly moist, hydrocarbon odor, stained, black (5Y 2.5/1). CLAYEY SILT: low-medium plasticity, low-medium toughness, no dilatancy, trace fine sand, stiff, slightly moist, hydrocarbon odor, staining, dark greenish gray (Gley 1 3/1).
		B11-7		39.4		ML	SANDY SILT: low plasticity, low toughness, slow dilatancy, noticeably sandier than above, hydrocarbon odor, soft, slightly moist, dark greenish gray (Gley 1 3/1).
10							Refusal encountered at 7.0 feet below ground surface. No groundwater observed.
15							
20							
25							
30							
35							
40							

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- Sample Interval
 Laboratory Sample
 No Recovery
 Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
 Santa Fe Springs, CA

FOR: Associated Plating

Date(s) Drilled	2/20/02	Logged By	J.Dadaklis	Boring B12 Sheet 1 of 1	
Drilling Method	Direct Push	Checked By	D.Stott		
Drill Rig Type	Geoprobe 540M LAR	Drill Bit Size/Type	1"		
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Interphase	Job Number	59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft)	7.0
Comments				Approximate Ground Surface Elevation(ft)	

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		B12-0.5		3.4		ML	4" thick concrete slab.
						ML	CLAYEY SILT: low-medium toughness, low-medium plasticity, slow dillitancy, 10% fine sand, slightly stiff, moist, strong hydrocarbon odor, stained, very dark gray (5Y 3/1).
5		B12-5		12.2			SILT: low plasticity, low toughness, trace fine sand, slightly stiff (less than above), moist, strong hydrocarbon odor, stained, very dark gray, (5Y 3/1).
		B12-7		10.1		ML	SANDY SILT: low plasticity, low toughness, noticeably sandier than above, hydrocarbon odor, slightly moist, very dark gray (5Y 3/1).
10							Refusal encountered at 7.0 feet below ground surface. No groundwater observed.
15							
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.



Sample Interval

Laboratory Sample

No Recovery

Ground Water Observed

PID = Photoionization Detector

NM = Not Measured

NA = Not Applicable

ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
Santa Fe Springs, CA

FOR: Associated Plating

URS

Date(s) Drilled	11/1/01	Logged By	M. Escobar	Boring BG1 Sheet 1 of 1
Drilling Method	Direct Push	Checked By	D. Stott	
Drill Rig Type	Badger LAR	Drill Bit Size/Type	1"	
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Vironex	Job Number 59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft) 10.0
Comments				Approximate Ground Surface Elevation(ft)

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		BG1-0.5		0.0		ML	CLAYEY SILT: mottles, plastic, moist, fine matrix, grayish brown.
5		BG1-5		0.0		SM	SILTY SAND: clastics to 1/4", fine matrix, angular fragments, looks to be fill, slightly moist, brown.
10		BG1-10		0.0		ML	SANDY SILT: fine-grained, plastic, moist, heavy hydrocarbon odor, staining, dark gray.
15							Boring terminated at 10.0 feet below ground surface. No groundwater observed.
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

☐ Sample Interval

☒ Laboratory Sample

☒ No Recovery

☒ Ground Water Observed

NOTES

PID = Photoionization Detector

NM = Not Measured

NA = Not Applicable

ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
Santa Fe Springs, CA

FOR: Associated Plating

URS

Date(s) Drilled	11/1/01	Logged By	M.Escobar	Boring BG2 Sheet 1 of 1
Drilling Method	Direct Push	Checked By	D.Stott	
Drill Rig Type	Badger LAR	Drill Bit Size/Type	1"	
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Vironex	Job Number 59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft) 10.0
Comments				Approximate Ground Surface Elevation(ft)

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		BG2-0.5		0.0		ML	CLAYEY SILT: mottles, plastic, moist, fine matrix, grayish brown.
5		BG2-5		0.0		SM	SILTY SAND: clastics to 1/4", fine matrix, angular fragments, looks to be fill, slightly moist, brown.
10		BG2-10		0.0		ML	SANDY SILT: fine-grained, plastic, moist, heavy hydrocarbon odor, staining, dark gray.
15							Boring terminated at 10.0 feet below ground surface. No groundwater observed.
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.



☐ Sample Interval
☐ Laboratory Sample
☒ No Recovery
☐ Ground Water Observed

NOTES

PID = Photolization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

Further Investigation

9636 Ann Street
Santa Fe Springs, CA

FOR: Associated Plating

Date(s) Drilled	11/1/01	Logged By	M.Escobar	Boring BG3 Sheet 1 of 1	
Drilling Method	Direct Push	Checked By	D.Stott		
Drill Rig Type	Badger LAR	Drill Bit Size/Type	1"		
Sampling Method(s)	Large Bore Sampler	Drilling Contractor	Vironex	Job Number	59-00115133.01
Approximate Groundwater Depth and Date Measured	Groundwater not encountered	Hammer Data		Total Depth Drilled (ft)	10.0
Comments				Approximate Ground Surface Elevation(ft)	

Depth (ft)	Sample Location	Sample Identification	Blows per 6 inches	PID (ppm)	Graphic Log	USCS Soil Group	MATERIAL DESCRIPTION
0		BG3-0.5		0.0		ML	CLAYEY SILT: mottles, plastic, moist, fine matrix, grayish brown.
5		BG3-5		0.0		SM	SILTY SAND: clastics to 1/4", fine matrix, angular fragments, looks to be fill, slightly moist, brown.
10		BG3-10		0.0		ML	SANDY SILT: fine-grained, plastic, moist, heavy hydrocarbon odor, staining, dark gray.
15							Boring terminated at 10.0 feet below ground surface. No groundwater observed.
20							
25							
30							
35							
40							

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

- ☐ Sample Interval
☒ Laboratory Sample
☒ No Recovery
☒ Ground Water Observed

NOTES

PID = Photoionization Detector
 NM = Not Measured
 NA = Not Applicable
 ppm = parts per million

LOG OF BORING

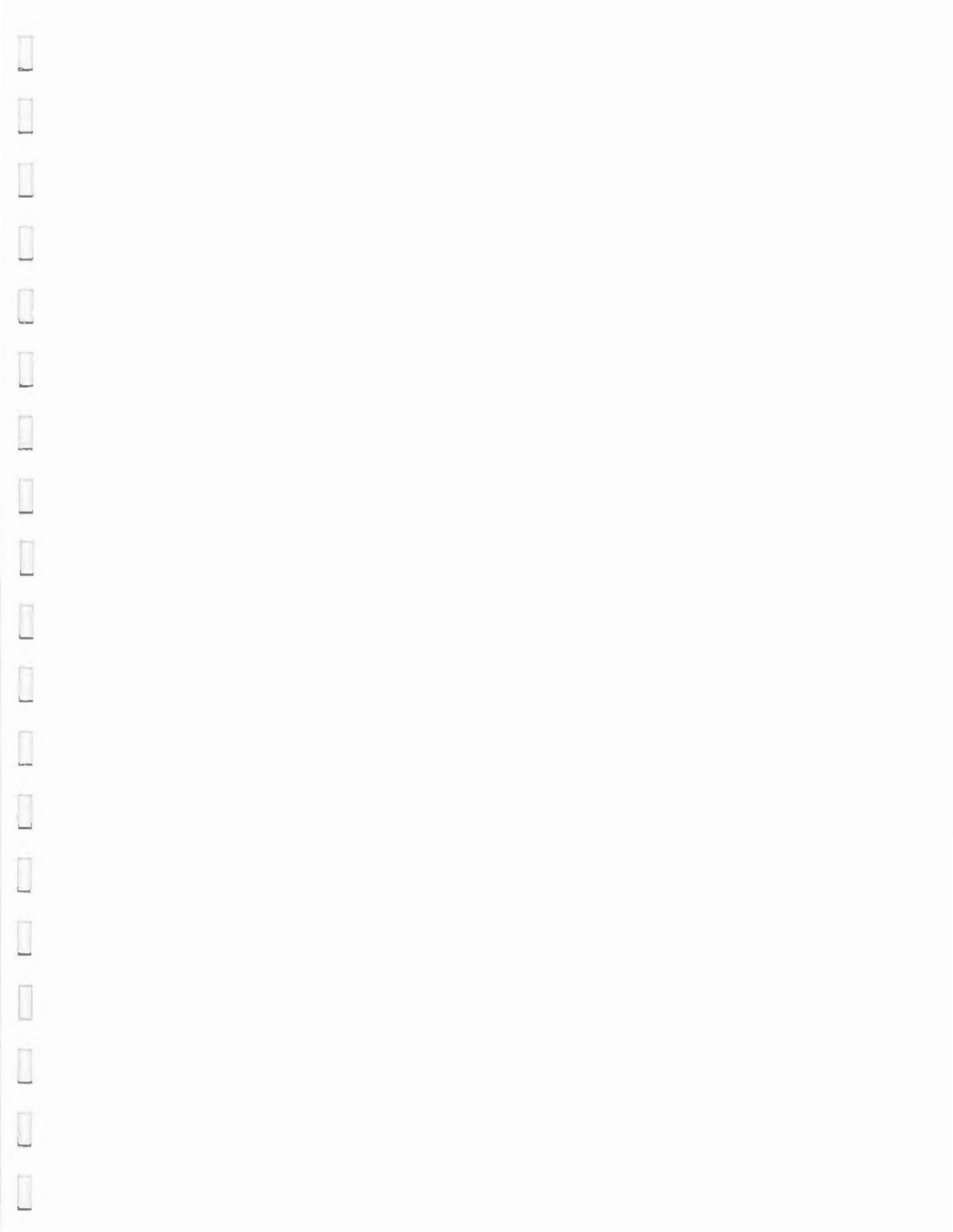
Further Investigation

9636 Ann Street
 Santa Fe Springs, CA

FOR: Associated Plating

APPENDIX C

APPENDIX C
LABORATORY DATA



SunStar Laboratories, Inc.

Quality Control Analysis EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Date Analyzed: 11/2/01
Batch: T3075
Matrix: Soil
Sample Spiked: 3075-20

Project Name
Associated Plating

Matrix Spike and Matrix Spike Duplicate Analysis

								QC Limits	
Compound	Conc. Spike Added (mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	RPD	Percent Recovery
8015M TPH	500	0	575	115	644	129	11.3	20	70-130

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-MB
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-01
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	52	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-02
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	38	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-10
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-03
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	89	10
C10-C28	590	10
C29-C40	480	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-04
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-05
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-9
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-06
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	303	10
C10-C28	1900	10
C29-C40	1600	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG1-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-07
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG1-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-08
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B9-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-09
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B9-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-10
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	850	10
C10-C28	3800	10
C29-C40	3000	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B1-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-11
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B1-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-12
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	97	10
C10-C28	570	10
C29-C40	620	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B2-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-13
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B2-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-14
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	140	10
C10-C28	640	10
C29-C40	580	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B8-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-15
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	80	10
C10-C28	530	10
C29-C40	550	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B8-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-16
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	500	10
C10-C28	2400	10
C29-C40	2000	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B7-3
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-17
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	ND	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B7-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-18
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	23	10
C10-C28	25	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B6-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-19
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	520	10
C10-C28	2100	10
C29-C40	2000	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B6-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-20
Matrix: Soil

Compound	Concentration (mg/Kg)	Reporting Limit (mg/Kg)
C6-C10	ND	10
C10-C28	14	10
C29-C40	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8015M

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: EB-1
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-21
Matrix: Water

Compound	Concentration (mg/L)	Reporting Limit (mg/L)
C6-C10	ND	0.1
C10-C28	ND	0.1
C29-C40	ND	0.1

SunStar Laboratories, Inc.

TTLC Metal Analysis

MS/MSD Report

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Batch: T3075
Matrix: Soil
Sample Spiked: 3075-15

Metal Analysis by I.C.P. EPA 6010

Element	Amt Spiked	MS rec.	MS %	MSD rec.	MSD %	RPD	QC Limits	
							RPD	%Rec.
Arsenic	100	98	98	95	95	3.1	30	75-125
Beryllium	100	102	102	97	97	5.0	30	75-125
Cadmium	100	99	99	94	94	5.2	30	75-125
Chromium	100	97	97	90	90	7.5	30	75-125
Lead	100	103	103	96	96	7.0	30	75-125

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample I.D.: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-MB
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	ND	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	ND	1
Cobalt	ND	1
Copper	ND	1
Lead	ND	1
Mercury	ND	0.1
Molybdenum	ND	1
Nickel	ND	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	ND	1
Zinc	ND	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-01
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	92	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	15	1
Cobalt	11	1
Copper	20	1
Lead	12	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	13	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	20	1
Zinc	23	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-02
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	75	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	11	1
Cobalt	10	1
Copper	14	1
Lead	13	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	11	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	12	1
Zinc	10	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-10
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-03
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	190	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	30	1
Cobalt	15	1
Copper	40	1
Lead	19	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	19	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	47	1
Zinc	31	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-04
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	77	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	9	1
Cobalt	8	1
Copper	15	1
Lead	12	1
Mercury	ND	0.1
Molybdenum	1	1
Nickel	9	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	13	1
Zinc	30	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-05
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	42	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	8	1
Cobalt	5	1
Copper	10	1
Lead	9	1
Mercury	ND	0.1
Molybdenum	1	1
Nickel	7	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	9	1
Zinc	6	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-9
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-06
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	120	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	19	1
Cobalt	12	1
Copper	24	1
Lead	12	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	13	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	32	1
Zinc	17	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG1-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-07
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	74	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	9	1
Cobalt	8	1
Copper	12	1
Lead	11	1
Mercury	ND	0.1
Molybdenum	1	1
Nickel	8	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	13	1
Zinc	8	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG1-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-08
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	140	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	20	1
Cobalt	16	1
Copper	27	1
Lead	16	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	16	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	43	1
Zinc	18	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B1-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-11
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	110	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	13	1
Cobalt	11	1
Copper	24	1
Lead	12	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	14	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	21	1
Zinc	14	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B1-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-12
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	120	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	17	1
Cobalt	13	1
Copper	25	1
Lead	13	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	12	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	33	1
Zinc	16	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B2-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-13
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	160	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	15	1
Cobalt	14	1
Copper	39	1
Lead	12	1
Mercury	ND	0.1
Molybdenum	1	1
Nickel	29	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	28	1
Zinc	33	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B2-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-14
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	190	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	28	1
Cobalt	17	1
Copper	42	1
Lead	14	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	20	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	47	1
Zinc	36	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BB-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-15
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	220	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	22	1
Cobalt	17	1
Copper	130	1
Lead	15	1
Mercury	ND	0.1
Molybdenum	2	1
Nickel	20	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	38	1
Zinc	26	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B8-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-16
Matrix: Soil
Conc. Unit: mg/Kg

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	2
Arsenic	ND	5
Barium	110	1
Beryllium	ND	1
Cadmium	ND	1
Chromium	15	1
Cobalt	11	1
Copper	20	1
Lead	9	1
Mercury	ND	0.1
Molybdenum	1	1
Nickel	12	1
Selenium	ND	5
Silver	ND	2
Thallium	ND	2
Vanadium	23	1
Zinc	15	1

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

TTLC Metal Analysis

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: EB-1
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/6/01
Date Analyzed: 11/6/01
Laboratory ID: T3075-21
Matrix: Water
Conc. Unit: µg/L

Metal Analysis by I.C.P. EPA 6010

Element	Results	R.L.
Antimony	ND	100
Arsenic	ND	250
Barium	61	50
Beryllium	ND	50
Cadmium	ND	50
Chromium	ND	50
Cobalt	ND	50
Copper	ND	50
Lead	ND	50
Mercury	ND	0.5
Molybdenum	ND	50
Nickel	ND	50
Selenium	ND	250
Silver	ND	100
Thallium	ND	100
Vanadium	ND	50
Zinc	52	50

TTLC= Total Threshold Limit Concentration.

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-01
Matrix: Soil

Compound	Reading	Range
pH	7.6	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-02
Matrix: Soil

Compound	Reading	Range
pH	8.0	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-10
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-03
Matrix: Soil

Compound	Reading	Range
pH	7.9	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-04
Matrix: Soil

Compound	Reading	Range
pH	8.0	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-05
Matrix: Soil

Compound	Reading	Range
pH	7.9	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-9
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-06
Matrix: Soil

Compound	Reading	Range
pH	8.1	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG1-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-07
Matrix: Soil

Compound	Reading	Range
pH	7.8	0-14



SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG1-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-08
Matrix: Soil

Compound	Reading	Range
pH	7.8	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B9-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-09
Matrix: Soil

Compound	Reading	Range
pH	8.1	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B9-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-10
Matrix: Soil

Compound	Reading	Range
pH	7.9	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B1-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-11
Matrix: Soil

Compound	Reading	Range
pH	8.0	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B1-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-12
Matrix: Soil

Compound	Reading	Range
pH	7.9	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B2-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-13
Matrix: Soil

Compound	Reading	Range
pH	8.3	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B2-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-14
Matrix: Soil

Compound	Reading	Range
pH	8.0	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B8-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-15
Matrix: Soil

Compound	Reading	Range
pH	8.2	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B8-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-16
Matrix: Soil

Compound	Reading	Range
pH	7.6	0-14

SunStar Laboratories, Inc.

Analytical Report for pH

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: EB-1
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-21
Matrix: Water

Compound	Reading	Range
pH	7.4	0-14

SunStar Laboratories, Inc.

Quality Control Analysis EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Date Analyzed: 11/5/01
Batch: T3075
Matrix: Soil
Sample Spiked 3076-05

Project Name
Associated Plating

Matrix Spike and Matrix Spike Duplicate Analysis

Compound	Conc.Spike Added(µg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	QC Limits	
								RPD	Percent Recovery
1,1 Dichloroethene	100	0.0	91	91	90	90	1.1	20	75-125
Benzene	100	0.0	94	94	91	91	3.2	20	75-125
Trichloroethene	100	0.0	92	92	90	90	2.2	20	75-125
Toluene	100	0.0	92	92	89	89	3.3	20	75-125
Chlorobenzene	100	0.0	91	91	92	92	1.1	20	75-125

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Analyzed: 11/2/01
Laboratory ID: T3075-MB
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	38.79	97
Toluene-d8	40.57	101
4-Bromofluorobenzene	36.53	91

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-01
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	36.02	90
Toluene-d8	40.09	100
4-Bromofluorobenzene	37.62	94

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-02
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	37.94	95
Toluene-d8	41.57	104
4-Bromofluorobenzene	36.99	92

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG3-10
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-03
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	37.45	94
Toluene-d8	41.31	103
4-Bromofluorobenzene	40.16	100

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	11	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	14	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	29	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	77	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-04
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	38.30	96
Toluene-d8	41.01	103
4-Bromofluorobenzene	38.30	96

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-05
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	36.88	92
Toluene-d8	40.86	102
4-Bromofluorobenzene	37.04	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG2-9
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-06
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	% Rec.
Dibromofluoromethane	38.00	95
Toluene-d8	41.10	103
4-Bromofluorobenzene	38.15	95

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	6	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG1-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-07
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	39.10	98
Toluene-d8	39.39	98
4-Bromofluorobenzene	37.52	94

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: BG1-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-08
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	36.37	91
Toluene-d8	40.45	101
4-Bromofluorobenzene	36.27	91

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B9-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-09
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	38.01	95
Toluene-d8	41.57	104
4-Bromofluorobenzene	42.76	107

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	400	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	880	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	2,200	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	1,100	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	20	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	31	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	32	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	100	5
sec-Butylbenzene	31	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	20	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	24	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B9-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-10
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	36.58	91
Toluene-d8	40.13	100
4-Bromofluorobenzene	38.59	96

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	110	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	450	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	8	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	79	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	74	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	120	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	31	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	360	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B1-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-11
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	40.65	102
Toluene-d8	40.16	100
4-Bromofluorobenzene	40.37	101

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	18	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	220	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	980	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	1,500	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	35,000	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	17	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	14	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	6	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	34	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	9	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	9	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B1-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-12
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	% Rec.
Dibromofluoromethane	35.18	88
Toluene-d8	41.56	104
4-Bromofluorobenzene	37.18	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	5	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	6	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	30	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B2-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-13
Matrix: Soil

Surrogate Compounds	Conc.(µg/Kg)	%Rec.
Dibromofluoromethane	34.92	87
Toluene-d8	41.42	104
4-Bromofluorobenzene	42.61	107

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	110	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	16	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	240	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	820	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	2,800	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	45	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	4,100	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	14	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	16	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	29	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B2-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-14
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	35.87	90
Toluene-d8	40.60	102
4-Bromofluorobenzene	43.07	108

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	2,000	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	320	10
1,1-Dichloroethane	30	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	210	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	12	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	85	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	290	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	96	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	150	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	40	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	400	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B8-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-15
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	37.30	93
Toluene-d8	40.02	100
4-Bromofluorobenzene	41.24	103

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	7	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	56	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	10	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	5	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	18	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	10	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B8-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-16
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	% Rec.
Dibromofluoromethane	32.83	82
Toluene-d8	40.21	101
4-Bromofluorobenzene	39.50	99

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	6	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	7	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	8	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	460	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	170	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	300	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	100	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	40	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	1,200	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B7-3
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-17
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	36.37	91
Toluene-d8	40.45	101
4-Bromofluorobenzene	37.17	93

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	7	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	16	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	71	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B7-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-18
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	34.09	85
Toluene-d8	41.77	104
4-Bromofluorobenzene	40.13	100

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	9	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	7	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	17	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	13	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	23	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	25	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B6-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-19
Matrix: Soil

Surrogate Compounds	Conc. (µg/Kg)	%Rec.
Dibromofluoromethane	38.39	96
Toluene-d8	38.24	96
4-Bromofluorobenzene	38.61	97

Compound	Conc. (µg/Kg)	RL (µg/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	20	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	50	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	1,100	10
1,1-Dichloroethane	120	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	4,200	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	5	5
1,2-Dichloroethane	ND	5
Trichloroethene	20	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	10	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/Kg)	RL (µg/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	130	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	39	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	140	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	43	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	58	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: B6-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-20
Matrix: Soil

Surrogate Compounds	Conc.(ug/Kg)	%Rec.
Dibromofluoromethane	32.66	82
Toluene-d8	40.10	100
4-Bromofluorobenzene	40.90	102

Compound	Conc. (ug/Kg)	RL (ug/Kg)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	20	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	90	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	880	10
1,1-Dichloroethane	160	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	4,100	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	4,600	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	23	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	2,600	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (ug/Kg)	RL (ug/Kg)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	120	5
m&p-Xylene	15	10
o-Xylene	7	5
Styrene	ND	5
Bromoform	ND	5
Isopropylbenzene	31	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	40	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	10	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	22	5
sec-Butylbenzene	24	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	78	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Analytical Report EPA 8260

Client: URS Corporation
Project Manager: Mauricio Escobar

Project Name
Associated Plating

Sample ID: EB-1
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Analyzed: 11/2/01
Laboratory ID: T3075-21
Matrix: Water

Surrogate Compounds	Conc. (µg/L)	%Rec.
Dibromofluoromethane	38.75	97
Toluene-d8	41.71	104
4-Bromofluorobenzene	39.31	98

Compound	Conc. (µg/L)	RL (µg/L)
Dichlorodifluoromethane	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
Methylene chloride	ND	10
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
2,2-Dichloropropane	ND	5
cis-1,2-Dichloroethene	ND	5
Bromochloromethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1-1-Dichloropropene	ND	5
Benzene	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
cis-1,3-Dichloropropene	ND	5
Toluene	ND	5
trans-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
Dibromochloromethane	ND	5

Compound	Conc. (µg/L)	RL (µg/L)
1,2-Dibromoethane	ND	5
Chlorobenzene	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Ethyl benzene	ND	5
m&p-Xylene	ND	10
o-Xylene	ND	5
Styrene	ND	5
Bromoform	21	5
Isopropylbenzene	ND	5
Bromobenzene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
1,2,3-Trichloropropane	ND	5
n-Propylbenzene	ND	5
2-Chlorotoluene	ND	5
4-Chlorotoluene	ND	5
1,3,5-Trimethylbenzene	ND	5
tert-Butylbenzene	ND	5
1,2,4-Trimethylbenzene	ND	5
sec-Butylbenzene	ND	5
1,3-Dichlorobenzene	ND	5
p-Isopropyltoluene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
n-Butylbenzene	ND	5
1,2-Dibromo-3-chloropropane	ND	5
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

SunStar Laboratories, Inc.

Quality Control Analysis EPA 8270

Client: URS Corporation
Project Manager: Mauricio Escobar

Date Analyzed: 11/8/01
Batch ID: T3075
Matrix: Soil
Sample Spiked: LCS

Project Name
Associated Plating

Matrix Spike and Matrix Spike Duplicate Analysis

Compound	Conc.Spike Added(mg/Kg)	Sample Result	Conc. MS	% Rec.	Conc. MSD	% Rec.	RPD	QC Limits	
								RPD	Percent Recovery
Phenol	50	0	35	70	36	72	3	42	12-89
2-Chlorophenol	50	0	43	86	44	88	2	40	27-123
1,4-Dichlorobenzene	50	0	46	92	45	90	2	28	36-97
N-nitroso-di-n-propy	50	0	30	60	31	62	3	38	41-116
1,2,4-Trichlorobenzene	50	0	43	86	47	94	9	28	39-98
4-Chloro-3-methylphe	50	0	40	80	42	84	5	42	23-97
Acenaphthene	50	0	46	92	44	88	4	31	46-118
4-Nitrophenol	50	0	25	50	23	46	8	50	10-80
2,4-Dinitrotoluene	50	0	28	56	24	48	15	38	24-96
Pentachlorophenol	50	0	45	90	37	74	20	50	9-103
Pyrene	50	0	53	106	48	96	10	31	26-127

SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: URS Corporation
Project Manager: Mauricio Escobar
Project Name: Associated Plating
Laboratory ID: T3075-MB
Matrix: Soil

Sample ID: Method Blank
Date Sampled: NA
Date Received: NA
Date Extracted: 11/8/01
Date Analyzed: 11/8/01

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	40.35	80.7
Phenol-d6	45.68	91.4
Nitrobenzene-d5	31.39	62.8

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	43.21	86.4
2,4,6-Tribromophenol	39.34	78.7
Terphenyl-d14	49.62	99.2

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentachlorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthracene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: URS Corporation
Project Manager: Mauricio Escobar
Project Name: Associated Plating
Laboratory ID: T3075-06
Matrix: Soil

Sample ID: BG2-9
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/8/01
Date Analyzed: 11/8/01

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	2.91	58.2
Phenol-d6	2.45	49.0
Nitrobenzene-d5	2.31	46.2

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	4.39	87.8
2,4,6-Tribromophenol	2.32	46.4
Terphenyl-d14	4.70	94.0

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentachlorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benztidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthracene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: URS Corporation
Project Manager: Mauricio Escobar
Project Name: Associated Plating
Laboratory ID: T3075-10
Matrix: Soil

Sample ID: B9-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/8/01
Date Analyzed: 11/8/01

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	44.47	88.9
Phenol-d6	35.61	71.2
Nitrobenzene-d5	41.49	83.0

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	47.06	94.1
2,4,6-Tribromophenol	40.83	81.7
Terphenyl-d14	41.49	83.0

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	2500	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	490	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentachlorophenol	ND	1,000
Phenanthrene	890	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthracene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: URS Corporation
Project Manager: Mauricio Escobar
Project Name: Associated Plating
Laboratory ID: T3075-16
Matrix: Soil

Sample ID: B8-5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/8/01
Date Analyzed: 11/8/01

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	36.81	73.6
Phenol-d6	38.41	76.8
Nitrobenzene-d5	41.80	83.6

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	43.41	86.8
2,4,6-Tribromophenol	42.10	84.2
Terphenyl-d14	43.12	86.2

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	2700	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	4000	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	550	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentachlorophenol	ND	1,000
Phenanthrene	690	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzydine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthracene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3,-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300

SunStar Laboratories, Inc.

Analytical Report EPA 8270

Client: URS Corporation
Project Manager: Mauricio Escobar
Project Name: Associated Plating
Laboratory ID: T3075-19
Matrix: Soil

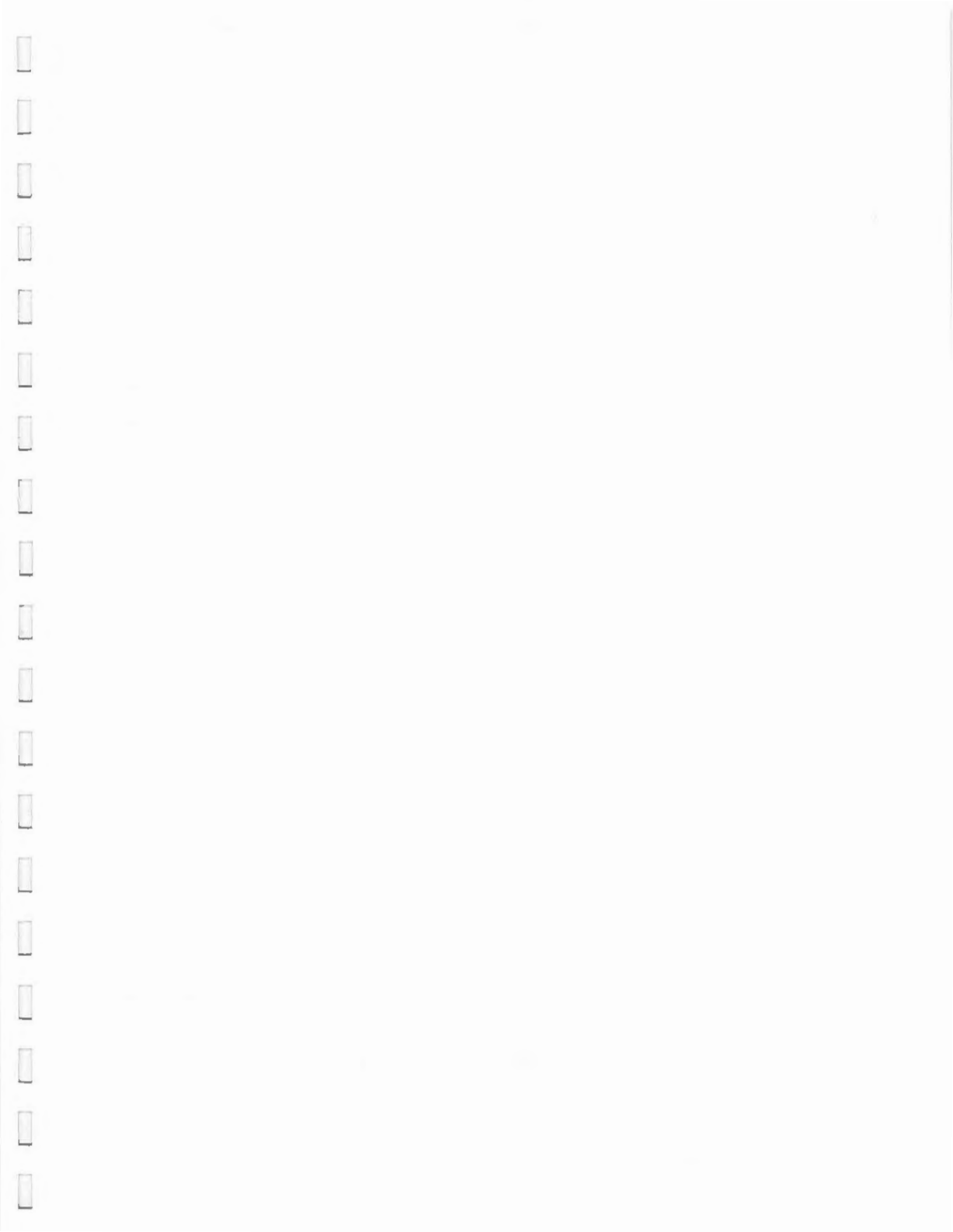
Sample ID: B6-0.5
Date Sampled: 11/1/01
Date Received: 11/2/01
Date Extracted: 11/8/01
Date Analyzed: 11/8/01

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorophenol	39.61	79.2
Phenol-d6	41.65	83.3
Nitrobenzene-d5	36.90	73.8

Surrogate Compounds:	Conc. (mg/Kg)	% Rec.
2-Fluorobiphenol	42.21	84.4
2,4,6-Tribromophenol	37.98	76.0
Terphenyl-d14	42.31	84.6

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Phenol	ND	1,000
bis (2-Chloroethyl) Ether	ND	300
2-Chlorophenol	ND	1,000
1, 3-Dichlorobenzene	ND	300
1, 4-Dichlorobenzene	ND	300
1, 2-Dichlorobenzene	ND	300
Benzyl Alcohol	ND	300
bis (2-Chloroisopropyl) Ether	ND	300
2-Methylphenol	ND	1,000
4-Methylphenol	ND	1,000
Hexachloroethane	ND	300
N-nitroso-di-n-propylamine	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
2-Nitrophenol	ND	1,000
2, 4-Dimethylphenol	ND	1,000
bis (2-Chloroethoxy) Methane	ND	300
Benzoic Acid	ND	300
2, 4-Dichlorophenol	ND	1,000
1, 2, 4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
4-Chloro-3-methylphenol	ND	1,000
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2, 4, 6-Trichlorophenol	ND	1,000
2, 4, 5-Trichlorophenol	ND	1,000
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	300
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
Acenaphthene	ND	300

Compounds	Conc. (µg/Kg)	RL (µg/Kg)
3-Nitroaniline	ND	300
2, 4-Dinitrophenol	ND	1,000
Dibenzofuran	ND	300
4-Nitrophenol	ND	1,000
2, 6-Dinitrotoluene	ND	300
2, 4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
Fluorene	ND	300
4-Chlorophenyl-phenylether	ND	300
4-Nitroaniline	ND	300
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4, 6-Dinitro-2-methylphenol	ND	1,000
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Pentachlorophenol	ND	1,000
Phenanthrene	ND	300
Anthracene	ND	300
Carbazole	ND	300
Di-n-butyl phthalate	ND	300
Fluoranthene	ND	300
Benzidine	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
Benzo (a) anthracene	ND	300
3, 3'-Dichlorobenzidine	ND	300
Bis (2-Ethylhexyl) phthalate	ND	300
Chrysene	ND	300
Di-n-octyl phthalate	ND	300
Benzo (b) fluoranthene	ND	300
Benzo (k) fluoranthene	ND	300
Benzo (a) pyrene	ND	300
Indeno (1, 2, 3-cd) pyrene	ND	300
Dibenz (a, h) anthracene	ND	300
Benzo (g, h, i) perylene	ND	300



URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

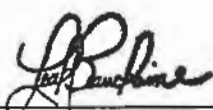
Reported:
2/25/02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B5-1	T200135-01	Soil	2/20/02	2/20/02
B55-1	T200135-02	Soil	2/20/02	2/20/02
B5-5	T200135-03	Soil	2/20/02	2/20/02
B4-1	T200135-04	Soil	2/20/02	2/20/02
B4-5	T200135-05	Soil	2/20/02	2/20/02
B3-1.5	T200135-06	Soil	2/20/02	2/20/02
B3-5	T200135-07	Soil	2/20/02	2/20/02
B11-0.5	T200135-08	Soil	2/20/02	2/20/02
B11-5	T200135-09	Soil	2/20/02	2/20/02
B11-7	T200135-10	Soil	2/20/02	2/20/02
B12-0.5	T200135-11	Soil	2/20/02	2/20/02
B212-0.5	T200135-12	Soil	2/20/02	2/20/02
B12-5	T200135-13	Soil	2/20/02	2/20/02
B12-7	T200135-14	Soil	2/20/02	2/20/02
Rinsate 022002	T200135-15	Water	2/20/02	2/20/02

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

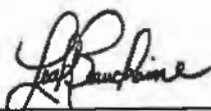
Reported:
2/25/02

Extractable Petroleum Hydrocarbons by 8015
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-1 (T200135-01) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
C6-C10	1200	10	mg/kg	1	2022004	02/20/02	02/21/02	EPA 8015B	
C10-C28	4100	10	"	"	"	"	"	"	
C28-C40	2600	10	"	"	"	"	"	"	
B55-1 (T200135-02) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
C6-C10	1700	10	mg/kg	1	2022004	02/20/02	02/21/02	EPA 8015B	
C10-C28	6200	10	"	"	"	"	"	"	
C28-C40	4200	10	"	"	"	"	"	"	
B5-5 (T200135-03) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
C6-C10	100	10	mg/kg	1	2022004	02/20/02	02/21/02	EPA 8015B	
C10-C28	330	10	"	"	"	"	"	"	
C28-C40	550	10	"	"	"	"	"	"	
B4-1 (T200135-04) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
C6-C10	ND	10	mg/kg	1	2022004	02/20/02	02/21/02	EPA 8015B	
C10-C28	ND	10	"	"	"	"	"	"	
C28-C40	ND	10	"	"	"	"	"	"	
B4-5 (T200135-05) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
C6-C10	61	10	mg/kg	1	2022004	02/20/02	02/21/02	EPA 8015B	
C10-C28	140	10	"	"	"	"	"	"	
C28-C40	180	10	"	"	"	"	"	"	
B3-1.5 (T200135-06) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
C6-C10	230	10	mg/kg	1	2022004	02/20/02	02/21/02	EPA 8015B	
C10-C28	910	10	"	"	"	"	"	"	
C28-C40	860	10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

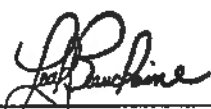
Reported:
2/25/02

Extractable Petroleum Hydrocarbons by 8015
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3-5 (T200135-07) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
C6-C10	ND	10	mg/kg	1	2022004	02/20/02	02/21/02	EPA 8015B	
C10-C28	ND	10	"	"	"	"	"	"	
C28-C40	ND	10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-1 (T200135-01) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Antimony	ND	2.0	mg/kg	1	2022206	02/21/02	02/22/02	EPA 6010B	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	170	1.0	"	"	"	"	"	"	
Beryllium	1.7	1.0	"	"	"	"	"	"	
Cadmium	4.6	1.0	"	"	"	"	"	"	
Chromium	66	1.0	"	"	"	"	"	"	
Cobalt	14	1.0	"	"	"	"	"	"	
Copper	31	1.0	"	"	"	"	"	"	
Lead	23	1.0	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
Nickel	28	1.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Silver	ND	2.0	"	"	"	"	"	"	
Thallium	25	2.0	"	"	"	"	"	"	
Vanadium	61	1.0	"	"	"	"	"	"	
Zinc	47	1.0	"	"	"	"	"	"	

B55-1 (T200135-02) Soil **Sampled: 02/20/02 00:00** **Received: 02/20/02 12:20**

Antimony	ND	2.0	mg/kg	1	2022206	02/21/02	02/22/02	EPA 6010B	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	130	1.0	"	"	"	"	"	"	
Beryllium	1.4	1.0	"	"	"	"	"	"	
Cadmium	4.0	1.0	"	"	"	"	"	"	
Chromium	52	1.0	"	"	"	"	"	"	
Cobalt	13	1.0	"	"	"	"	"	"	
Copper	27	1.0	"	"	"	"	"	"	
Lead	18	1.0	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
Nickel	25	1.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Silver	ND	2.0	"	"	"	"	"	"	
Thallium	21	2.0	"	"	"	"	"	"	
Vanadium	43	1.0	"	"	"	"	"	"	
Zinc	34	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-5 (T200135-03) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Antimony	ND	2.0	mg/kg	1	2022206	02/21/02	02/22/02	EPA 6010B	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	120	1.0	"	"	"	"	"	"	
Beryllium	1.2	1.0	"	"	"	"	"	"	
Cadmium	3.4	1.0	"	"	"	"	"	"	
Chromium	48	1.0	"	"	"	"	"	"	
Cobalt	11	1.0	"	"	"	"	"	"	
Copper	23	1.0	"	"	"	"	"	"	
Lead	16	1.0	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
Nickel	22	1.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Silver	ND	2.0	"	"	"	"	"	"	
Thallium	15	2.0	"	"	"	"	"	"	
Vanadium	42	1.0	"	"	"	"	"	"	
Zinc	30	1.0	"	"	"	"	"	"	

B4-1 (T200135-04) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20

Antimony	ND	2.0	mg/kg	1	2022206	02/21/02	02/22/02	EPA 6010B	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	130	1.0	"	"	"	"	"	"	
Beryllium	1.3	1.0	"	"	"	"	"	"	
Cadmium	3.7	1.0	"	"	"	"	"	"	
Chromium	49	1.0	"	"	"	"	"	"	
Cobalt	12	1.0	"	"	"	"	"	"	
Copper	23	1.0	"	"	"	"	"	"	
Lead	18	1.0	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
Nickel	22	1.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Silver	ND	2.0	"	"	"	"	"	"	
Thallium	19	2.0	"	"	"	"	"	"	
Vanadium	42	1.0	"	"	"	"	"	"	
Zinc	32	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Metals by EPA 6010B
SunStar Laboratories, Inc.


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4-5 (T200135-05) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Antimony	ND	2.0	mg/kg	1	2022206	02/21/02	02/22/02	EPA 6010B	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	150	1.0	"	"	"	"	"	"	
Beryllium	1.6	1.0	"	"	"	"	"	"	
Cadmium	4.1	1.0	"	"	"	"	"	"	
Chromium	54	1.0	"	"	"	"	"	"	
Cobalt	12	1.0	"	"	"	"	"	"	
Copper	30	1.0	"	"	"	"	"	"	
Lead	20	1.0	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
Nickel	25	1.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Silver	ND	2.0	"	"	"	"	"	"	
Thallium	20	2.0	"	"	"	"	"	"	
Vanadium	48	1.0	"	"	"	"	"	"	
Zinc	43	1.0	"	"	"	"	"	"	

B3-1.5 (T200135-06) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20

Antimony	ND	2.0	mg/kg	1	2022206	02/21/02	02/22/02	EPA 6010B	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	170	1.0	"	"	"	"	"	"	
Beryllium	1.8	1.0	"	"	"	"	"	"	
Cadmium	5.0	1.0	"	"	"	"	"	"	
Chromium	71	1.0	"	"	"	"	"	"	
Cobalt	15	1.0	"	"	"	"	"	"	
Copper	31	1.0	"	"	"	"	"	"	
Lead	25	1.0	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
Nickel	29	1.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Silver	ND	2.0	"	"	"	"	"	"	
Thallium	27	2.0	"	"	"	"	"	"	
Vanadium	61	1.0	"	"	"	"	"	"	
Zinc	50	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

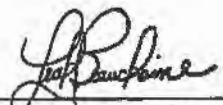
Reported:
2/25/02

Metals by EPA 6010B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3-5 (T200135-07) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Antimony	ND	2.0	mg/kg	1	2022206	02/21/02	02/22/02	EPA 6010B	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	110	1.0	"	"	"	"	"	"	
Beryllium	1.1	1.0	"	"	"	"	"	"	
Cadmium	3.1	1.0	"	"	"	"	"	"	
Chromium	44	1.0	"	"	"	"	"	"	
Cobalt	10	1.0	"	"	"	"	"	"	
Copper	23	1.0	"	"	"	"	"	"	
Lead	15	1.0	"	"	"	"	"	"	
Mercury	ND	0.10	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
Nickel	20	1.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Silver	ND	2.0	"	"	"	"	"	"	
Thallium	13	2.0	"	"	"	"	"	"	
Vanadium	36	1.0	"	"	"	"	"	"	
Zinc	73	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar


Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-1 (T200135-01) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/21/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	13	5.0	"	"	"	"	"	"	
sec-Butylbenzene	25	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	15	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	12	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	13	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	94	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-1 (T200135-01) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
n-Propylbenzene	14	5.0	ug/kg	1	2022002	02/20/02	02/21/02	EPA 8260B	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	34	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	21	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		97.0 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		106 %	80-120		"	"	"	"	
B55-1 (T200135-02) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/21/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	9.8	5.0	"	"	"	"	"	"	
sec-Butylbenzene	21	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.



Leah Beauchaine, Project Manager

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URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

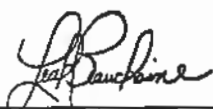
Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B55-1 (T200135-02) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	1	2022002	02/20/02	02/21/02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	12	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	11	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	8.7	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	70	5.0	"	"	"	"	"	"	
n-Propylbenzene	10	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	24	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	7.9	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B55-1 (T200135-02) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
o-Xylene	ND	5.0	ug/kg	1	2022002	02/20/02	02/21/02	EPA 8260B	
Surrogate: Toluene-d8		98.5 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		110 %	80-120		"	"	"	"	
B5-5 (T200135-03) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

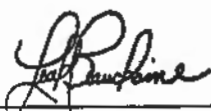
Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-5 (T200135-03) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
trans-1,3-Dichloropropene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	52	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		100 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		118 %	80-120		"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4-1 (T200135-04) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	25	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	310	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	47	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	120	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	48	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	310	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar


Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4-1 (T200135-04) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
n-Propylbenzene	73	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		100 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		96.8 %	80-120		"	"	"	"	
B4-5 (T200135-05) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	17	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

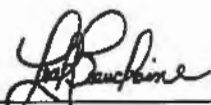
Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4-5 (T200135-05) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	100	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	13	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	36	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	18	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphtbalene	150	5.0	"	"	"	"	"	"	
n-Propylbenzene	20	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

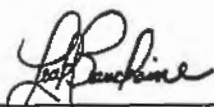
Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4-5 (T200135-05) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
o-Xylene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Surrogate: Toluene-d8		100 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		105 %	80-120		"	"	"	"	
B3-1.5 (T200135-06) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	9.0	5.0	"	"	"	"	"	"	
sec-Butylbenzene	59	5.0	"	"	"	"	"	"	
tert-Butylbenzene	6.6	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar


Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3-1.5 (T200135-06) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
trans-1,3-Dichloropropene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	73	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	270	5.0	"	"	"	"	"	"	
n-Propylbenzene	130	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	17	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		101 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		110 %	80-120		"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3-5 (T200135-07) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	8.2	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	5.3	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	21	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	68	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3-5 (T200135-07) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
n-Propylbenzene	26	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		102 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		106 %	80-120		"	"	"	"	

B11-0.5 (T200135-08) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20

Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B11-0.5 (T200135-08) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	72	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	5.2	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	9.1	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	54	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B11-0.5 (T200135-08) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
o-Xylene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Surrogate: Toluene-d8		101 %		81-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.8 %		74-121	"	"	"	"	
Surrogate: Dibromofluoromethane		104 %		80-120	"	"	"	"	
B11-5 (T200135-09) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B11-5 (T200135-09) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
trans-1,3-Dichloropropene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	67	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		100 %		81-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %		74-121	"	"	"	"	
Surrogate: Dibromofluoromethane		102 %		80-120	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

Page 22 of

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B11-7 (T200135-10) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	12	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	25	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	47	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	79	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	75	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	410	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

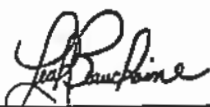
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B11-7 (T200135-10) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
n-Propylbenzene	110	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		100 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		114 %	80-120		"	"	"	"	

B12-0.5 (T200135-11) Soil **Sampled: 02/20/02 00:00** **Received: 02/20/02 12:20**

Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B12-0.5 (T200135-11) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	22	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	430	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	72	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B12-0.5 (T200135-11) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
o-Xylene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Surrogate: Toluene-d8		99.8 %		81-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %		74-121	"	"	"	"	
Surrogate: Dibromofluoromethane		102 %		80-120	"	"	"	"	
B212-0.5 (T200135-12) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	20	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

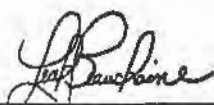
Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B212-0.5 (T200135-12) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
trans-1,3-Dichloropropene	ND	5.0	ug/kg	1	2022002	02/20/02	02/20/02	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	16	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	440	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	63	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		100 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		103 %	80-120		"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar


Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B12-5 (T200135-13) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/21/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	6.9	5.0	"	"	"	"	"	"	
sec-Butylbenzene	12	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	420	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	150	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	7.7	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	12	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	140	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B12-5 (T200135-13) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
n-Propylbenzene	12	5.0	ug/kg	1	2022002	02/20/02	02/21/02	EPA 8260B	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	11	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		99.0 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		106 %	80-120		"	"	"	"	

B12-7 (T200135-14) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20

Benzene	ND	5.0	ug/kg	1	2022002	02/20/02	02/21/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	35	5.0	"	"	"	"	"	"	
sec-Butylbenzene	57	5.0	"	"	"	"	"	"	
tert-Butylbenzene	8.6	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B12-7 (T200135-14) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	1	2022002	02/20/02	02/21/02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	300	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	150	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	24	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	51	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	16	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	400	5.0	"	"	"	"	"	"	
n-Propylbenzene	57	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar


Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B12-7 (T200135-14) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
o-Xylene	ND	5.0	ug/kg	1	2022002	02/20/02	02/21/02	EPA 8260B	
Surrogate: Toluene-d8		99.0 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	80-120		"	"	"	"	
Rinsate 022002 (T200135-15) Water Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
Benzene	ND	5.0	ug/l	1	2022003	02/20/02	02/21/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Rinsate 022002 (T200135-15) Water Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
trans-1,3-Dichloropropene	ND	5.0	ug/l	1	2022003	02/20/02	02/21/02	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		99.8 %	86-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	86-115		"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	86-118		"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar


Reported:
2/25/02

Conventional Chemistry Parameters by APHA/EPA Methods
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-1 (T200135-01) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
pH	8.4		pH Units	1	2022208	02/20/02	02/22/02	EPA 9045B	
B55-1 (T200135-02) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
pH	8.7		pH Units	1	2022208	02/20/02	02/22/02	EPA 9045B	
B5-5 (T200135-03) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
pH	8.1		pH Units	1	2022208	02/20/02	02/22/02	EPA 9045B	
B4-1 (T200135-04) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
pH	7.9		pH Units	1	2022208	02/20/02	02/22/02	EPA 9045B	
B4-5 (T200135-05) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
pH	7.5		pH Units	1	2022208	02/20/02	02/22/02	EPA 9045B	
B3-1.5 (T200135-06) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
pH	7.9		pH Units	1	2022208	02/20/02	02/22/02	EPA 9045B	
B3-5 (T200135-07) Soil Sampled: 02/20/02 00:00 Received: 02/20/02 12:20									
pH	7.6		pH Units	1	2022208	02/20/02	02/22/02	EPA 9045B	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Metals by EPA 6010B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limit	RPD	RPD Limit	Notes
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Batch 2022206 - EPA 3050B

Blank (2022206-BLK1)

Prepared: 02/21/02 Analyzed: 02/22/02

Antimony	ND	2.0 mg/kg
Arsenic	ND	5.0 "
Barium	ND	1.0 "
Beryllium	ND	1.0 "
Cadmium	ND	1.0 "
Chromium	ND	1.0 "
Cobalt	ND	1.0 "
Copper	ND	1.0 "
Lead	ND	1.0 "
Mercury	ND	0.10 "
Molybdenum	ND	1.0 "
Nickel	ND	1.0 "
Selenium	ND	5.0 "
Silver	ND	2.0 "
Thallium	ND	2.0 "
Vanadium	ND	1.0 "
Zinc	ND	1.0 "

LCS (2022206-BS1)

Prepared: 02/21/02 Analyzed: 02/22/02

Arsenic	76.5	5.0 mg/kg	100	76.5	60-125
Barium	87.1	1.0 "	100	87.1	60-125
Cadmium	80.4	1.0 "	100	80.4	60-125
Chromium	86.0	1.0 "	100	86.0	60-125
Lead	78.6	1.0 "	100	78.6	60-125

Matrix Spike (2022206-MS1)

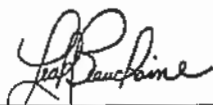
Source: T200134-01

Prepared: 02/21/02 Analyzed: 02/22/02

Arsenic	64.0	5.0 mg/kg	100	ND	64.0	60-125
Barium	110	1.0 "	100	36	74.0	60-125
Cadmium	78.9	1.0 "	100	1.7	77.2	60-125
Chromium	94.4	1.0 "	100	16	78.4	60-125
Lead	83.6	1.0 "	100	6.0	77.6	60-125

SunStar Laboratories, Inc.

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URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Metals by EPA 6010B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022206 - EPA 3050B

Matrix Spike Dup (2022206-MSD1) **Source: T200134-01** **Prepared: 02/21/02 Analyzed: 02/22/02**

Arsenic	74.3	5.0 mg/kg	100	ND	74.3	60-125	14.9	30	
Barium	126	1.0 "	100	36	90.0	60-125	13.6	30	
Cadmium	91.4	1.0 "	100	1.7	89.7	60-125	14.7	30	
Chromium	113	1.0 "	100	16	97.0	60-125	17.9	30	
Lead	92.8	1.0 "	100	6.0	86.8	60-125	10.4	30	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022002 - EPA 5035 Soil MS

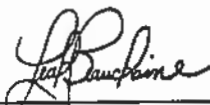
Blank (2022002-BLK1)

Prepared: 02/20/02 Analyzed: 02/22/02

Benzene	ND	5.0 ug/kg
Bromobenzene	ND	5.0 "
Bromochloromethane	ND	5.0 "
Bromodichloromethane	ND	5.0 "
Bromoform	ND	5.0 "
Bromomethane	ND	5.0 "
n-Butylbenzene	ND	5.0 "
sec-Butylbenzene	ND	5.0 "
tert-Butylbenzene	ND	5.0 "
Carbon tetrachloride	ND	5.0 "
Chlorobenzene	ND	5.0 "
Chloroethane	ND	5.0 "
Chloroform	ND	5.0 "
Chloromethane	ND	5.0 "
2-Chlorotoluene	ND	5.0 "
4-Chlorotoluene	ND	5.0 "
Dibromochloromethane	ND	5.0 "
1,2-Dibromo-3-chloropropane	ND	5.0 "
1,2-Dibromoethane (EDB)	ND	5.0 "
Dibromomethane	ND	5.0 "
1,2-Dichlorobenzene	ND	5.0 "
1,3-Dichlorobenzene	ND	5.0 "
1,4-Dichlorobenzene	ND	5.0 "
Dichlorodifluoromethane	ND	5.0 "
1,1-Dichloroethane	ND	5.0 "
1,2-Dichloroethane	ND	5.0 "
1,1-Dichloroethene	ND	5.0 "
cis-1,2-Dichloroethene	ND	5.0 "
trans-1,2-Dichloroethene	ND	5.0 "
1,2-Dichloropropane	ND	5.0 "
1,3-Dichloropropane	ND	5.0 "
2,2-Dichloropropane	ND	5.0 "
1,1-Dichloropropene	ND	5.0 "
cis-1,3-Dichloropropene	ND	5.0 "
trans-1,3-Dichloropropene	ND	5.0 "
Ethylbenzene	ND	5.0 "
Hexachlorobutadiene	ND	5.0 "
Isopropylbenzene	ND	5.0 "

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022002 - EPA 5035 Soil MS

Blank (2022002-BLK1)

Prepared: 02/20/02 Analyzed: 02/22/02

p-Isopropyltoluene	ND	5.0 ug/kg						
Methylene chloride	ND	5.0 "						
Naphthalene	ND	5.0 "						
n-Propylbenzene	ND	5.0 "						
Styrene	ND	5.0 "						
1,1,2,2-Tetrachloroethane	ND	5.0 "						
1,1,1,2-Tetrachloroethane	ND	5.0 "						
Tetrachloroethene	ND	5.0 "						
Toluene	ND	5.0 "						
1,2,3-Trichlorobenzene	ND	5.0 "						
1,2,4-Trichlorobenzene	ND	5.0 "						
1,1,2-Trichloroethane	ND	5.0 "						
1,1,1-Trichloroethane	ND	5.0 "						
Trichloroethene	ND	5.0 "						
Trichlorofluoromethane	ND	5.0 "						
1,2,3-Trichloropropane	ND	5.0 "						
1,3,5-Trimethylbenzene	ND	5.0 "						
1,2,4-Trimethylbenzene	ND	5.0 "						
Vinyl chloride	ND	5.0 "						
m,p-Xylene	ND	5.0 "						
o-Xylene	ND	5.0 "						
Surrogate: Toluene-d8	39.6	"	40.0		99.0	81-117		
Surrogate: 4-Bromofluorobenzene	39.1	"	40.0		97.8	74-121		
Surrogate: Dibromofluoromethane	40.4	"	40.0		101	80-120		

LCS (2022002-BS1)

Prepared: 02/20/02 Analyzed: 02/21/02

Benzene	110	5.0 ug/kg	100		110	75-125		
Chlorobenzene	100	5.0 "	100		100	75-125		
1,1-Dichloroethene	108	5.0 "	100		108	15-125		
Toluene	105	5.0 "	100		105	75-125		
Trichloroethene	105	5.0 "	100		105	75-125		
Surrogate: Toluene-d8	41.1	"	40.0		103	81-117		
Surrogate: 4-Bromofluorobenzene	40.4	"	40.0		101	74-121		
Surrogate: Dibromofluoromethane	32.4	"	40.0		81.0	80-120		

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022002 - EPA 5035 Soil MS

LCS Dup (2022002-BSD1)

Prepared: 02/20/02 Analyzed: 02/21/02

Benzene	92.2	5.0 ug/kg	100	92.2	75-125	17.6	20	
Chlorobenzene	92.7	5.0 "	100	92.7	75-125	7.58	20	
1,1-Dichloroethene	125	5.0 "	100	125	15-125	14.6	20	
Toluene	95.7	5.0 "	100	95.7	75-125	9.27	20	
Trichloroethene	94.5	5.0 "	100	94.5	75-125	10.5	20	
Surrogate: Toluene-d8	40.2	"	40.0	100	81-117			
Surrogate: 4-Bromofluorobenzene	40.0	"	40.0	100	74-121			
Surrogate: Dibromofluoromethane	40.9	"	40.0	102	80-120			

Batch 2022003 - EPA 5030 Water MS

Blank (2022003-BLK1)

Prepared: 02/20/02 Analyzed: 02/21/02

Benzene	ND	5.0 ug/l	
Bromobenzene	ND	5.0 "	
Bromochloromethane	ND	5.0 "	
Bromodichloromethane	ND	5.0 "	
Bromoform	ND	5.0 "	
Bromomethane	ND	5.0 "	
o-Butylbenzene	ND	5.0 "	
sec-Butylbenzene	ND	5.0 "	
tert-Butylbenzene	ND	5.0 "	
Carbon tetrachloride	ND	5.0 "	
Chlorobenzene	ND	5.0 "	
Chloroethane	ND	5.0 "	
Chloroform	ND	5.0 "	
Chloromethane	ND	5.0 "	
2-Chlorotoluene	ND	5.0 "	
4-Chlorotoluene	ND	5.0 "	
Dibromochloromethane	ND	5.0 "	
1,2-Dibromo-3-chloropropane	ND	5.0 "	
1,2-Dibromoethane (EDB)	ND	5.0 "	
Dibromomethane	ND	5.0 "	
1,2-Dichlorobenzene	ND	5.0 "	
1,3-Dichlorobenzene	ND	5.0 "	
1,4-Dichlorobenzene	ND	5.0 "	
Dichlorodifluoromethane	ND	5.0 "	
1,1-Dichloroethane	ND	5.0 "	
1,2-Dichloroethane	ND	5.0 "	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022003 - EPA 5030 Water MS

Blank (2022003-BLK1)

Prepared: 02/20/02 Analyzed: 02/21/02

I,1-Dichloroethene	ND	5.0 ug/l						
cis-1,2-Dichloroethene	ND	5.0 "						
trans-1,2-Dichloroethene	ND	5.0 "						
1,2-Dichloropropane	ND	5.0 "						
1,3-Dichloropropane	ND	5.0 "						
2,2-Dichloropropane	ND	5.0 "						
1,1-Dichloropropene	ND	5.0 "						
cis-1,3-Dichloropropene	ND	5.0 "						
trans-1,3-Dichloropropene	ND	5.0 "						
Ethylbenzene	ND	5.0 "						
Hexachlorobutadiene	ND	5.0 "						
Isopropylbenzene	ND	5.0 "						
p-Isopropyltoluene	ND	5.0 "						
Methylene chloride	ND	5.0 "						
Naphthalene	ND	5.0 "						
n-Propylbenzene	ND	5.0 "						
Styrene	ND	5.0 "						
1,1,2,2-Tetrachloroethane	ND	5.0 "						
1,1,1,2-Tetrachloroethane	ND	5.0 "						
Tetrachloroethene	ND	5.0 "						
Toluene	ND	5.0 "						
1,2,3-Trichlorobenzene	ND	5.0 "						
1,2,4-Trichlorobenzene	ND	5.0 "						
1,1,2-Trichloroethane	ND	5.0 "						
1,1,1-Trichloroethane	ND	5.0 "						
Trichloroethene	ND	5.0 "						
Trichlorofluoromethane	ND	5.0 "						
1,2,3-Trichloropropane	ND	5.0 "						
1,3,5-Trimethylbenzene	ND	5.0 "						
1,2,4-Trimethylbenzene	ND	5.0 "						
Vinyl chloride	ND	5.0 "						
m,p-Xylene	ND	5.0 "						
o-Xylene	ND	5.0 "						
Surrogate: Toluene-d8	39.6	"	40.0		99.0	86-115		
Surrogate: 4-Bromofluorobenzene	39.1	"	40.0		97.8	86-115		
Surrogate: Dibromofluoromethane	40.4	"	40.0		101	86-118		

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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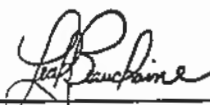
Batch 2022003 - EPA 5030 Water MS

Matrix Spike (2022003-MS1)	Source: T200135-15		Prepared: 02/20/02		Analyzed: 02/21/02	
Benzene	109	5.0 ug/l	100	ND	109	75-125
Chlorobenzene	95.2	5.0 "	100	ND	95.2	75-125
1,1-Dichloroethene	106	5.0 "	100	ND	106	75-125
Toluene	98.9	5.0 "	100	ND	98.9	75-125
Trichloroethene	100	5.0 "	100	ND	100	75-125
Surrogate: Toluene-d8	40.2	"	40.0		100	86-115
Surrogate: 4-Bromofluorobenzene	40.2	"	40.0		100	86-115
Surrogate: Dibromofluoromethane	41.1	"	40.0		103	86-118

Matrix Spike Dup (2022003-MSD1)	Source: T200135-15		Prepared: 02/20/02		Analyzed: 02/21/02			
Benzene	97.4	5.0 ug/l	100	ND	97.4	75-125	11.2	20
Chlorobenzene	88.9	5.0 "	100	ND	88.9	75-125	6.84	20
1,1-Dichloroethene	91.6	5.0 "	100	ND	91.6	75-125	14.6	20
Toluene	93.2	5.0 "	100	ND	93.2	75-125	5.93	20
Trichloroethene	91.9	5.0 "	100	ND	91.9	75-125	8.44	20
Surrogate: Toluene-d8	40.6	"	40.0		102	86-115		
Surrogate: 4-Bromofluorobenzene	40.7	"	40.0		102	86-115		
Surrogate: Dibromofluoromethane	41.9	"	40.0		105	86-118		

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/25/02

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SunStar Laboratories, Inc.

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Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
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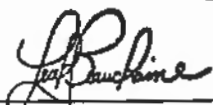
Reported:
2/27/02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B10-0.5	T200136-01	Soil	2/21/02	2/21/02
B210-0.5	T200136-02	Soil	2/21/02	2/21/02
B10-5	T200136-03	Soil	2/21/02	2/21/02
B10-10	T200136-04	Soil	2/21/02	2/21/02
B10-20	T200136-06	Soil	2/21/02	2/21/02
B10-30	T200136-08	Soil	2/21/02	2/21/02
B10-GW	T200136-10	Water	2/21/02	2/21/02
Rinsate 022102	T200136-11	Water	2/21/02	2/21/02

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Extractable Petroleum Hydrocarbons by 8015
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-10 (T200136-04) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
C6-C10	ND	10	mg/kg	1	2022205	02/22/02	02/25/02	EPA 8015B	
C10-C28	ND	10	"	"	"	"	"	"	
C28-C40	ND	10	"	"	"	"	"	"	
B10-20 (T200136-06) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
C6-C10	410	10	mg/kg	1	2022205	02/22/02	02/25/02	EPA 8015B	
C10-C28	430	10	"	"	"	"	"	"	
C28-C40	ND	10	"	"	"	"	"	"	
B10-30 (T200136-08) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
C6-C10	770	10	mg/kg	1	2022205	02/22/02	02/25/02	EPA 8015B	
C10-C28	1500	10	"	"	"	"	"	"	
C28-C40	ND	10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-0.5 (T200136-01) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
Benzene	ND	5.0	ug/kg	1	2022203	02/22/02	02/25/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	250	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	22	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

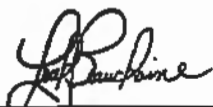
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-0.5 (T200136-01) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
n-Propylbenzene	ND	5.0	ug/kg	1	2022203	02/22/02	02/25/02	EPA 8260B	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	96	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		104 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		92.8 %	80-120		"	"	"	"	

B210-0.5 (T200136-02) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39

Benzene	ND	5.0	ug/kg	1	2022203	02/22/02	02/25/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	6.1	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	6.0	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

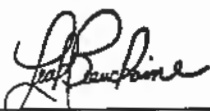
Volatile Organic Compounds by EPA Method 8260B

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B210-0.5 (T200136-02) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	1	2022203	02/22/02	02/25/02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	350	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	28	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	150	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

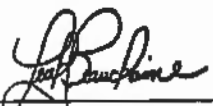
Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B210-0.5 (T200136-02) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
o-Xylene	ND	5.0	ug/kg	1	2022203	02/22/02	02/25/02	EPA 8260B	
Surrogate: Toluene-d8		106 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		87.8 %	80-120		"	"	"	"	
B10-5 (T200136-03) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
Benzene	ND	5.0	ug/kg	1	2022203	02/22/02	02/22/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	14	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	18	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	280	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	39	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-5 (T200136-03) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
trans-1,3-Dichloropropene	ND	5.0	ug/kg	1	2022203	02/22/02	02/22/02	EPA 8260B	
Ethylbenzene	78	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	31	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	92	5.0	"	"	"	"	"	"	
n-Propylbenzene	45	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	55	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	300	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		102 %		81-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %		74-121	"	"	"	"	
Surrogate: Dibromofluoromethane		104 %		80-120	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-10 (T200136-04) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
Benzene	ND	5.0	ug/kg	1	2022203	02/22/02	02/22/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	16	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

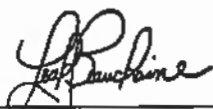
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-10 (T200136-04) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
n-Propylbenzene	ND	5.0	ug/kg	1	2022203	02/22/02	02/22/02	EPA 8260B	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.0 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	74-121		"	"	"	"	
Surrogate: Dibromofluoromethane		81.2 %	80-120		"	"	"	"	

B10-20 (T200136-06) Soil **Sampled: 02/21/02 00:00** **Received: 02/21/02 13:39**

Benzene	ND	5.0	ug/kg	1	2022203	02/22/02	02/22/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	20	5.0	"	"	"	"	"	"	
sec-Butylbenzene	26	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-20 (T200136-06) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	1	2022203	02/22/02	02/22/02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	6.1	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	21	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	41	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	36	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	300	5.0	"	"	"	"	"	"	
n-Propylbenzene	51	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	95	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	410	5.0	"	"	"	"	"	"	
Vinyl chloride	7.6	5.0	"	"	"	"	"	"	
m,p-Xylene	230	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-20 (T200136-06) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
o-Xylene	10	5.0	ug/kg	1	2022203	02/22/02	02/22/02	EPA 8260B	
Surrogate: Toluene-d8	94.5 %	81-117			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	120 %	74-121			"	"	"	"	
Surrogate: Dibromofluoromethane	114 %	80-120			"	"	"	"	
B10-30 (T200136-08) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
Benzene	ND	5.0	ug/kg	1	2022203	02/22/02	02/22/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	25	5.0	"	"	"	"	"	"	
sec-Butylbenzene	100	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar


Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-30 (T200136-08) Soil Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
trans-1,3-Dichloropropene	ND	5.0	ug/kg	1	2022203	02/22/02	02/22/02	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	210	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	780	5.0	"	"	"	"	"	"	
n-Propylbenzene	270	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		92.0 %	81-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		170 %	74-121		"	"	"	"	S-HI
Surrogate: Dibromofluoromethane		112 %	80-120		"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-GW (T200136-10) Water Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
Benzene	ND	5.0	ug/l	1	2022202	02/22/02	02/25/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	73	5.0	"	"	"	"	"	"	
tert-Butylbenzene	9.4	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	150	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	47	5.0	"	"	"	"	"	"	

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

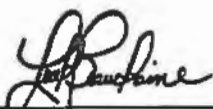
Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-GW (T200136-10) Water Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
n-Propylbenzene	72	5.0	ug/l	1	2022202	02/22/02	02/25/02	EPA 8260B	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	69	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		100 %	86-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		115 %	86-115		"	"	"	"	
Surrogate: Dibromofluoromethane		99.8 %	86-118		"	"	"	"	
Rinsate 022102 (T200136-11) Water Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
Benzene	ND	5.0	ug/l	1	2022202	02/22/02	02/22/02	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Rinsate 022102 (T200136-11) Water Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	1	2022202	02/22/02	02/22/02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methyleue chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

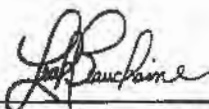
Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Rinsate 022102 (T200136-11) Water Sampled: 02/21/02 00:00 Received: 02/21/02 13:39									
m,p-Xylene	ND	5.0	ug/l	1	2022202	02/22/02	02/22/02	EPA 8260B	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		99.5 %	86-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	86-115		"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	86-118		"	"	"	"	

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022205 - EPA 3550B

Blank (2022205-BLK1)

Prepared: 02/22/02 Analyzed: 02/25/02

C6-C10	ND	10 mg/kg
C10-C28	ND	10 "
C28-C40	ND	10 "

Matrix Spike (2022205-MS1)

Source: T200136-08

Prepared: 02/22/02 Analyzed: 02/25/02

C10-C28	2000	10 mg/kg	1500	75-125
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Matrix Spike Dup (2022205-MSD1)

Source: T200136-08

Prepared: 02/22/02 Analyzed: 02/25/02

C10-C28	2000	10 mg/kg	1500	75-125	0.0	20
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SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022202 - EPA 5030 Water MS

Blank (2022202-BLK1)

Prepared & Analyzed: 02/22/02

Benzene	ND	5.0 ug/l
Bromobenzene	ND	5.0 "
Bromochloromethane	ND	5.0 "
Bromodichloromethane	ND	5.0 "
Bromoform	ND	5.0 "
Bromomethane	ND	5.0 "
n-Butylbenzene	ND	5.0 "
sec-Butylbenzene	ND	5.0 "
tert-Butylbenzene	ND	5.0 "
Carbon tetrachloride	ND	5.0 "
Chlorobenzene	ND	5.0 "
Chloroethane	ND	5.0 "
Chloroform	ND	5.0 "
Chloromethane	ND	5.0 "
2-Chlorotoluene	ND	5.0 "
4-Chlorotoluene	ND	5.0 "
Dibromochloromethane	ND	5.0 "
1,2-Dibromo-3-chloropropane	ND	5.0 "
1,2-Dibromoethane (EDB)	ND	5.0 "
Dibromomethane	ND	5.0 "
1,2-Dichlorobenzene	ND	5.0 "
1,3-Dichlorobenzene	ND	5.0 "
1,4-Dichlorobenzene	ND	5.0 "
Dichlorodifluoromethane	ND	5.0 "
1,1-Dichloroethane	ND	5.0 "
1,2-Dichloroethane	ND	5.0 "
1,1-Dichloroethene	ND	5.0 "
cis-1,2-Dichloroethene	ND	5.0 "
trans-1,2-Dichloroethene	ND	5.0 "
1,2-Dichloropropane	ND	5.0 "
1,3-Dichloropropane	ND	5.0 "
2,2-Dichloropropane	ND	5.0 "
1,1-Dichloropropene	ND	5.0 "
cis-1,3-Dichloropropene	ND	5.0 "
trans-1,3-Dichloropropene	ND	5.0 "
Ethylbenzene	ND	5.0 "
Hexachlorobutadiene	ND	5.0 "
Isopropylbenzene	ND	5.0 "

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022202 - EPA 5030 Water MS

Blank (2022202-BLK1)

Prepared & Analyzed: 02/22/02

p-Isopropyltoluene	ND	5.0 ug/l							
Methylene chloride	ND	5.0 "							
Naphthalene	ND	5.0 "							
n-Propylbenzene	ND	5.0 "							
Styrene	ND	5.0 "							
1,1,2,2-Tetrachloroethane	ND	5.0 "							
1,1,1,2-Tetrachloroethane	ND	5.0 "							
Tetrachloroethene	ND	5.0 "							
Toluene	ND	5.0 "							
1,2,3-Trichlorobenzene	ND	5.0 "							
1,2,4-Trichlorobenzene	ND	5.0 "							
1,1,2-Trichloroethane	ND	5.0 "							
1,1,1-Trichloroethane	ND	5.0 "							
Trichloroethene	ND	5.0 "							
Trichlorofluoromethane	ND	5.0 "							
1,2,3-Trichloropropane	ND	5.0 "							
1,3,5-Trimethylbenzene	ND	5.0 "							
1,2,4-Trimethylbenzene	ND	5.0 "							
Vinyl chloride	ND	5.0 "							
m,p-Xylene	ND	5.0 "							
o-Xylene	ND	5.0 "							
Surrogate: Toluene-d8	41.9	"	40.0		105	86-115			
Surrogate: 4-Bromofluorobenzene	39.7	"	40.0		99.2	86-115			
Surrogate: Dibromofluoromethane	37.9	"	40.0		94.8	86-118			

LCS (2022202-BS1)

Prepared & Analyzed: 02/22/02

Benzene	104	5.0 ug/l	100		104	75-125			
Chlorobenzene	86.5	5.0 "	100		86.5	75-125			
1,1-Dichloroethene	112	5.0 "	100		112	15-125			
Toluene	95.2	5.0 "	100		95.2	75-125			
Trichloroethene	95.4	5.0 "	100		95.4	75-125			
Surrogate: Toluene-d8	40.8	"	40.0		102	86-115			
Surrogate: 4-Bromofluorobenzene	40.3	"	40.0		101	86-115			
Surrogate: Dibromofluoromethane	41.9	"	40.0		105	86-118			

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022202 - EPA 5030 Water MS

Matrix Spike (2022202-MS1)	Source: T200136-11		Prepared & Analyzed: 02/22/02					
Benzene	110	5.0 ug/l	100	ND	110	75-125		
Chlorobenzene	103	5.0 "	100	ND	103	75-125		
1,1-Dichloroethene	124	5.0 "	100	ND	124	75-125		
Toluene	103	5.0 "	100	ND	103	75-125		
Trichloroethene	104	5.0 "	100	ND	104	75-125		
Surrogate: Toluene-d8	39.7	"	40.0		99.2	86-115		
Surrogate: 4-Bromofluorobenzene	38.4	"	40.0		96.0	86-115		
Surrogate: Dibromofluoromethane	38.7	"	40.0		96.8	86-118		

Matrix Spike Dup (2022202-MSD1)	Source: T200136-11		Prepared & Analyzed: 02/22/02					
Benzene	101	5.0 ug/l	100	ND	101	75-125	8.53	20
Chlorobenzene	104	5.0 "	100	ND	104	75-125	0.966	20
1,1-Dichloroethene	122	5.0 "	100	ND	122	75-125	1.63	20
Toluene	100	5.0 "	100	ND	100	75-125	2.96	20
Trichloroethene	96.5	5.0 "	100	ND	96.5	75-125	7.48	20
Surrogate: Toluene-d8	39.8	"	40.0		99.5	86-115		
Surrogate: 4-Bromofluorobenzene	39.1	"	40.0		97.8	86-115		
Surrogate: Dibromofluoromethane	40.2	"	40.0		100	86-118		

Batch 2022203 - EPA 5035 Soil MS

Blank (2022203-BLK1)	Prepared: 02/22/02 Analyzed: 02/25/02							
Benzene	ND	5.0 ug/kg						
Bromobenzene	ND	5.0 "						
Bromochloromethane	ND	5.0 "						
Bromodichloromethane	ND	5.0 "						
Bromoform	ND	5.0 "						
Bromomethane	ND	5.0 "						
n-Butylbenzene	ND	5.0 "						
sec-Butylbenzene	ND	5.0 "						
tert-Butylbenzene	ND	5.0 "						
Carbon tetrachloride	ND	5.0 "						
Chlorobenzene	ND	5.0 "						
Chloroethane	ND	5.0 "						
Chloroform	ND	5.0 "						
Chloromethane	ND	5.0 "						
2-Chlorotoluene	ND	5.0 "						
4-Chlorotoluene	ND	5.0 "						

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022203 - EPA 5035 Soil MS

Blank (2022203-BLK1)

Prepared: 02/22/02 Analyzed: 02/25/02

Dibromochloromethane	ND	5.0 ug/kg
1,2-Dibromo-3-chloropropane	ND	5.0 "
1,2-Dibromoethane (EDB)	ND	5.0 "
Dibromomethane	ND	5.0 "
1,2-Dichlorobenzene	ND	5.0 "
1,3-Dichlorobenzene	ND	5.0 "
1,4-Dichlorobenzene	ND	5.0 "
Dichlorodifluoromethane	ND	5.0 "
1,1-Dichloroethane	ND	5.0 "
1,2-Dichloroethane	ND	5.0 "
1,1-Dichloroethene	ND	5.0 "
cis-1,2-Dichloroethene	ND	5.0 "
trans-1,2-Dichloroethene	ND	5.0 "
1,2-Dichloropropane	ND	5.0 "
1,3-Dichloropropane	ND	5.0 "
2,2-Dichloropropane	ND	5.0 "
1,1-Dichloropropene	ND	5.0 "
cis-1,3-Dichloropropene	ND	5.0 "
trans-1,3-Dichloropropene	ND	5.0 "
Ethylbenzene	ND	5.0 "
Hexachlorobutadiene	ND	5.0 "
Isopropylbenzene	ND	5.0 "
p-Isopropyltoluene	ND	5.0 "
Methylene chloride	ND	5.0 "
Naphthalene	ND	5.0 "
n-Propylbenzene	ND	5.0 "
Styrene	ND	5.0 "
1,1,2,2-Tetrachloroethane	ND	5.0 "
1,1,1,2-Tetrachloroethane	ND	5.0 "
Tetrachloroethene	ND	5.0 "
Toluene	ND	5.0 "
1,2,3-Trichlorobenzene	ND	5.0 "
1,2,4-Trichlorobenzene	ND	5.0 "
1,1,2-Trichloroethane	ND	5.0 "
1,1,1-Trichloroethane	ND	5.0 "
Trichloroethene	ND	5.0 "
Trichlorofluoromethane	ND	5.0 "
1,2,3-Trichloropropane	ND	5.0 "

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022203 - EPA 5035 Soil MS

Blank (2022203-BLK1)

Prepared: 02/22/02 Analyzed: 02/25/02

1,3,5-Trimethylbenzene	ND	5.0 ug/kg						
1,2,4-Trimethylbenzene	ND	5.0 "						
Vinyl chloride	ND	5.0 "						
m,p-Xylene	ND	5.0 "						
o-Xylene	ND	5.0 "						
Surrogate: Toluene-d8	41.9	"	40.0		105	81-117		
Surrogate: 4-Bromofluorobenzene	39.7	"	40.0		99.2	74-121		
Surrogate: Dibromofluoromethane	37.9	"	40.0		94.8	80-120		

LCS (2022203-B51)

Prepared: 02/22/02 Analyzed: 02/25/02

Benzene	104	5.0 ug/kg	100		104	75-125		
Chlorobenzene	86.5	5.0 "	100		86.5	75-125		
1,1-Dichloroethene	112	5.0 "	100		112	15-125		
Toluene	95.2	5.0 "	100		95.2	75-125		
Trichloroethene	95.4	5.0 "	100		95.4	75-125		
Surrogate: Toluene-d8	40.8	"	40.0		102	81-117		
Surrogate: 4-Bromofluorobenzene	40.3	"	40.0		101	74-121		
Surrogate: Dibromofluoromethane	41.9	"	40.0		105	80-120		


LCS Dup (2022203-B5D1)

Prepared: 02/22/02 Analyzed: 02/25/02

Benzene	101	5.0 ug/kg	100		101	75-125	2.93	20
Chlorobenzene	98.3	5.0 "	100		98.3	75-125	12.8	20
1,1-Dichloroethene	101	5.0 "	100		101	15-125	10.3	20
Toluene	96.3	5.0 "	100		96.3	75-125	1.15	20
Trichloroethene	94.7	5.0 "	100		94.7	75-125	0.736	20
Surrogate: Toluene-d8	38.8	"	40.0		97.0	81-117		
Surrogate: 4-Bromofluorobenzene	38.8	"	40.0		97.0	74-121		
Surrogate: Dibromofluoromethane	40.1	"	40.0		100	80-120		

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager

URS Corporation
911 Wilshire Boulevard
Los Angeles CA, 90017

Project: Associated Plating
Project Number: 59-00115133.01
Project Manager: Mauricio Escobar

Reported:
2/27/02

Notes and Definitions

S-HI High surrogate recovery was confirmed as a matrix effect by a second analysis.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SunStar Laboratories, Inc.

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Leah Beauchaine, Project Manager



Del Mar Analytical

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(818) 779-1844 FAX (818) 779-1843
(858) 505-9596 FAX (858) 505-9689
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LABORATORY REPORT

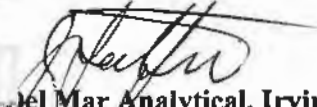
Prepared For: SunStar Laboratories
3002 Dow Avenue, Suite 406
Tustin, CA 92780

Attention: John Shepler
Project: Associated Plating

Sampled: 11/01/01
Received: 11/02/01
Reported: 11/09/01

*This laboratory report is confidential and is intended for the sole use of
Del Mar Analytical and its client. This entire report was reviewed and approved for release.*

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Del Mar Analytical, Irvine
Jim Hatfield
Project Manager

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IKK0099 <Page 1 of 5>



Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
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 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

SunStar Laboratories
 3002 Dow Avenue, Suite 406
 Tustin, CA 92780
 Attention: John Shepler

Project ID: Associated Plating

Report Number: IKK0099

Sampled: 11/01/01
 Received: 11/02/01

INORGANICS

Analyte	Method	Batch	Reporting Limit mg/kg	Sample Result mg/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IKK0099-01 (BG3-0.5' - Soil)								
Total Cyanide	EPA 9014	11K0748	0.50	ND	1	11/7/01	11/8/01	
Sample ID: IKK0099-02 (BG3-5' - Soil)								
Total Cyanide	EPA 9014	11K0748	0.50	ND	1	11/7/01	11/8/01	
Sample ID: IKK0099-03 (BG3-10' - Soil)								
Total Cyanide	EPA 9014	11K0748	0.50	ND	1	11/7/01	11/8/01	
Sample ID: IKK0099-04 (BG2-0.5' - Soil)								
Total Cyanide	EPA 9014	11K0748	0.50	ND	1	11/7/01	11/8/01	
Sample ID: IKK0099-05 (BG2-5' - Soil)								
Total Cyanide	EPA 9014	11K0748	0.50	ND	1	11/7/01	11/8/01	
Sample ID: IKK0099-06 (BG2-9' - Soil)								
Total Cyanide	EPA 9014	11K0748	0.50	ND	1	11/7/01	11/8/01	
Sample ID: IKK0099-07 (BG1-0.5' - Soil)								
Total Cyanide	EPA 9014	11K0748	0.50	ND	1	11/7/01	11/8/01	
Sample ID: IKK0099-08 (BG1-5' - Soil)								
Total Cyanide	EPA 9014	11K0748	0.50	ND	1	11/7/01	11/8/01	

Del Mar Analytical, Irvine
 Jim Hatfield
 Project Manager

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IKK0099 <Page 2 of 5>



SunStar Laboratories
3002 Dow Avenue, Suite 406
Tustin, CA 92780
Attention: John Shepler

Project ID: Associated Plating

Report Number: IKK0099

Sampled: 11/01/01

Received: 11/02/01

INORGANICS

Analyte	Method	Batch	Reporting Limit mg/kg	Sample Result mg/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IKK0099-09 (B1-0.5' - Soil)								
Total Cyanide	EPA 9014	11K0748	0.50	ND	1	11/7/01	11/8/01	
Sample ID: IKK0099-10 (B1-5' - Soil)								
Total Cyanide	EPA 9014	11K0748	0.50	ND	1	11/7/01	11/8/01	

Del Mar Analytical, Irvine
Jim Hatfield
Project Manager

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SunStar Laboratories
3002 Dow Avenue, Suite 406
Tustin, CA 92780
Attention: John Shepler

Project ID: Associated Plating
Report Number: IKK0099

Sampled: 11/01/01
Received: 11/02/01

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Data Qualifiers
Batch: I1K0748 Extracted: 11/07/01									
Blank Analyzed: 11/08/01 (I1K0748-BLK1)									
Total Cyanide	ND	0.50	mg/kg						
LCS Analyzed: 11/08/01 (I1K0748-BS1)									
Total Cyanide	10.0	0.50	mg/kg	10.0		100	85-115		
Matrix Spike Analyzed: 11/08/01 (I1K0748-MS1)									
Total Cyanide	9.55	0.50	mg/kg	10.0	ND	94.5	70-115		
Matrix Spike Dup Analyzed: 11/08/01 (I1K0748-MSD1)									
Total Cyanide	9.45	0.50	mg/kg	10.0	ND	93.5	70-115	1.05	15

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Jim Hatfield
Project Manager

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Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4867 FAX (909) 370-1046
16525 Sherman Way, Suite C-11, Van Nuys, CA 92406 (818) 779-1844 FAX (818) 779-1843
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-9595 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

SunStar Laboratories
3002 Dow Avenue, Suite 406
Tustin, CA 92780
Attention: John Shepler

Project ID: Associated Plating

Report Number: IKK0099

Sampled: 11/01/01
Received: 11/02/01

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
NR Not reported.
RPD Relative Percent Difference

Del Mar Analytical, Irvine
Jim Hatfield
Project Manager

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CHAIN-OF-CUSTODY RECORD

WHITE COPY-Original (Accompanies Samples) YELLOW COPY-Collector PINK COPY-Project Manager

Boring or Well Number	Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES															FIELD NOTES:		Total Number Of Containers	Laboratory Note Number			
						VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8250	TPH 418.1	TPH 8015 (M) <i>Check</i>	WET Test	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	PH 9240/9245	ASBESTOS	VOX 9260/9265	SHAIR 910							
B63	1	0.5'	0715	Soil	(3) Engine / kerne					X	X							X	X	X						3/1	01
↓	2	5'	0730							X	X							X	X	X						3/1	02
	3	10'	0750							X	X							X	X	X				Hydrocarbon Spill			03
B62	4	0.5'	0755							X	X							X	X	X							04
↓	5	5'	0805							X	X							X	X	X							05
	6	9'	0815							X	X							X	X	X				Hydrocarbon Spill			06
B61	7	0.5'	0845							X	X							X	X	X							07
↓	8	5'	0855							X	X							X	X	X							08
B69	9	0.5'	0920							X								X	X					Hydrocarbon Spill			09
↓	10	5'	0930							X								X	X					" "			10
B61	11	0.5'	0945							X	X							X	X	X				" "			11
↓	12	5'	0955							X	X							X	X	X				" "			12
B62	13	0.5'	1020							X	X							X	X					" "			13
↓	14	5'	1030							X	X							X	X					" "			14
B68	15	0.5'	1440							X	X							X	X					" "			15
#1	16	5'	1445							X	X							X	X					" "			16
B67	17	0.5'	1510							X								X	X					" "			17
	18	5'	1520							X								X	X					" "			18

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
 RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
 RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

ANALYTICAL LABORATORY: SUNSHINE LABORATORIES
 LABORATORY CONTACT: JOHN SITEREN
 BOM CONTACT: M. ESCOBAR PHONE: 213-996-2454

LABORATORY NOTES:
 BORING IDENTIFICATIONS PREPARED BY URS-AP-
 LP 01080785
 JOB NO.: 59-00115133.01 00004 SHEET 1 OF 2
 PROJECT: Associated PLATING
 LOCATION: SANTA FE SPRINGS
 COLLECTOR: M. ESCOBAR DATE OF COLLECTION: 11/1/01



911 Wilshire Boulevard, Suite 700
 Los Angeles, California 90017
 (213)996-2200 Fax (213) 996-2456

WHITE COPY-Original (Accompanies Samples) YELLOW COPY-Collector PINK COPY-Project Manager

F-144.1

Vironex Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-847-6639

Chain of Custody Record

T200135

Client: URS - Los Angeles Office
Address: 911 Wilshire Blvd.
Phone: (213) 996-2200 Fax: (213) 996-2456
Project Manager: Mauricio Escobar

Date: 2/20/02 Page: 1 Of 1
Project Name: Associated Plating
Collector: JSD Client Project #: 57-00115133.01
Batch #: _____ Proposal #: Verbal between John Shepler and Mauricio Escobar

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260 B 16G	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 8010/7000 RCRA 18 Metals	EPA 6010/7000 Title 22 Metals	8015 m Full Carbon Chain	EPA 904/905 pH	Laboratory ID #	Preservative	Comments	Total # of containers
B5-1	2/20/02	0920	soil	Enam + steel												01	IE	visible staining, dilution req.	4
B55-1		0925														02		"	
B5-5		0935														03		"	
B4-1		0945														04		Staining, sample is wet	
B4-5		0950														05		"	
B3-1.5		1000														06		Visible staining, wet, run 4th	
B3-5		1010														07		"	
B11-0.5		1030														08			
B11-5		1035		3 Enam												09			
B11-7		1040														10			
B12-0.5		1105														11			
B12-0.5		1110														12			
B12-5		1120														13			
B12-7		1130														14			
Rinsate 022002		1150	H ₂ O	3.40ml												15			3
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Total # of containers 51					Notes Previously agreed pricing between John Shepler and Mauricio Escobar. Please call Mauricio Escobar to confirm charges before invoicing.				
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Chain of Custody seals Y/N/M _____									
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Seals intact? Y/N/NA _____									
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Received good condition/cold _____					Turn around time: Standard				

Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

Vironex Inc.
3002 Dow Ave, Ste. 406
Tustin, CA 92780
1-800-847-6639

Chain of Custody Record

T200136

Client: URS - Los Angeles Office
Address: 911 Wilshire Blvd.
Phone: (213) 996-2200 Fax: (213) 996-2456
Project Manager: Mauricio Escobar

Date: 2/21/02 Page: 1 Of 1
Project Name: Associated Plating
Collector: JSD Client Project #: 900
Batch #: _____ Proposal #: Verbal between John Shepler & Mauricio Escobar

Sample ID	Date Sampled	Time	Sample Type	Container Type	EPA 8010	EPA 8020	EPA 8260 B/5035	EPA 8270	EPA 418.1	EPA 8015M (gasoline)	EPA 8015M (diesel)	EPA 8010/7000 RCRA (8) Metals	EPA 6010/7000 Title 22 Metals	8015M Carbon Chain Full Range	Laboratory ID #	Preservative	Comments	Total # of containers						
B10-0.5	2/21/02	0810	Soil	Encore			✓								01		Stained, vapors	3						
B210-0.5		0825		I			✓								02		Stained, vapors	3						
B10-5		0840		I			✓								03		Stained, vapors	3						
B10-10		0935		Encore + Stain			✓							✓	04			4						
B10-15		0940		I			✓								05		HOLD	4						
B10-20		0950		I			✓							✓	06		Staining / Vapors	4						
B10-25		0955		I			✓							✓	07		HOLD	4						
B10-30		1005		I			✓							✓	08		Staining / Vapors	4						
B10-35		1025		I			✓								09		HOLD	4						
B10-40 B10-60		1100	H ₂ O	VOA (10m)			✓								10		No TPH analysis, turbid	3						
B10-45 B10-60		1130	H ₂ O	I			✓								11			3						
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Total # of containers <u>34</u>					Notes Please use previously agreed pricing (e.g. 8260 B/5035 = \$95). Call Mauricio Escobar to confirm charges prior to invoicing to assure prompt processing & payment by URS.									
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Chain of Custody seals Y/N <u>NA</u>										Seals intact? Y/N <u>NA</u>				
Relinquished by: (signature) <u>John Shepler</u> Date / Time <u>2/21/02 - 1205</u>					Received by: (signature) <u>Mauricio Escobar</u> Date / Time <u>2/21/02 1205</u>					Received good condition/bold <u>Y</u>										Turn around time: <u>Standard</u>				

Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____